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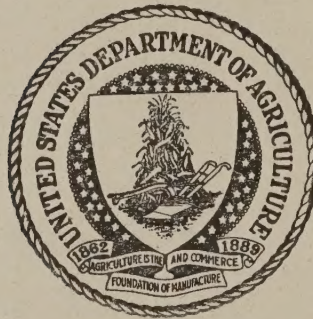
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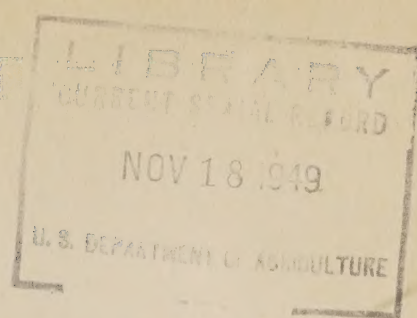


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UNITED STATES DEPARTMENT OF COMMERCE

CHARLES SAWYER, *Secretary*

WEATHER BUREAU

F. W. REICHELDERFER, *Chief*

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YEARBOOK
1942



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FOREWORD

Prior to 1935 this publication constituted the statistical sections of the Annual Report of the Chief of the Weather Bureau. The practice of publishing annual meteorological statistics in a separate volume, entirely disassociated from the Annual Report of the Chief of the Weather Bureau, was inaugurated in 1935 to avoid some duplication in printing, but primarily to make printed meteorological matter more accessible to the public and to conform with similar publications of foreign nations.

This publication was prepared by the Agricultural Section of the Division of Climatological and Hydrologic Services, through the cooperative assistance of approximately 5,500 voluntary climatic observers, the personnel at over 400 first order Weather Bureau stations and 43 Climatological Section Centers, and many other Federal, State, and industrial agencies and individuals.

The discussions and statistics presented herein concern principally the climatological phase of meteorology. Statistical data relating to the work of all the Divisions of the Weather Bureau are published currently in the MONTHLY WEATHER REVIEW. From time to time special articles, based on the statistical data collected by the several Divisions of the Bureau, appear in the MONTHLY WEATHER REVIEW and its supplements.

J. L. BALDWIN.

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GENERAL SUMMARY OF THE WEATHER CONDITIONS IN THE UNITED STATES DURING THE YEAR 1942

REVIEW OF WEATHER CONDITIONS DURING 1942

The weather of 1942 was outstandingly favorable for the production of bumper crops, especially grain. An abundance of moisture in most sections of the country during the growing season was the chief factor that made record-breaking production of essential food possible. This was true in spite of the fact that there were a few adverse crop-weather conditions, such as too much rain in Northern States during part of the growing season, deficient moisture with an early summer drought in the East and South-Central States, and unfavorably early fall frost in some sections. These factors, together with the late general snowstorms, made the growing season shorter than usual over the greater portion of the country. The unprecedentedly high yields of 1942 are accounted for in some measure by wartime effort and gradual improvement in seed, but the phenomenal increase over drought years is due primarily to the difference in the weather. For example, the combined output of wheat, oats, rye, and barley during 1942 was more than twice these yields for the drought years of 1934 and 1936.

Although crop yields were generally high throughout the United States, substantial losses in life, property, and crops were sustained due to floods, tornadoes, hurricanes, and other severe weather conditions in some sections. Monetary losses from floods in the United States have been evaluated at more than \$98,500,000 during the year. Outstanding among the floods were the disastrous flash floods in the headwater areas of the Delaware, Susquehanna, and Allegheny River basins; a record-breaking flood in portions of the Potomac and Rappahannock River basins in October; a major flood in the Willamette River in November; and widespread flooding in the Central West, from Minnesota to Texas, during the summer months. Aggregate crop losses amounted to \$36,579,964. Lives lost totaled 66. Reported savings as the result of warnings amounted to \$22,506,525.

Tornadoes in the United States in 1942 were responsible for loss of life totaling 384 people and injury to 2,085 more. Destruction of property was valued at \$14,268,950, of which only a small percentage involved crop losses. Hailstorms accounted for the loss of \$16,407,588 to crops and \$1,513,475 to other property. (See other articles elsewhere in this publication for detailed tabulations.)

During the year four tropical storms affected the mainland of the United States. The first disturbance of tropical origin, accompanied by extremely copious rainfall, occurred in April and affected the southern portion of Florida. Two tropical storms occurred in August, both entering the coast of Texas within 100 miles of each other. The second of these two was a severe storm resulting in extensive damage. (See weather by months below.) In October a tropical storm, with no damaging winds, moved into the North Carolina coast and dissipated. No major damages were reported. A severe hurricane, passing through the Caribbean area, struck

Central America in early November, killing nine people on the Yucatan Peninsula, and causing \$4,000,000 damage in British Honduras.

The mean temperature for the year 1942, derived by weighting the averages for the varying areas of the several States, was normal, being 53.2° , or the same as the average for the 1886 to 1942 period, during which time the highest mean annual temperature was 55.4° in 1934 and the lowest, 51.3° in 1917. With the exception of $+1.3^{\circ}$ in North Dakota, all the State annual averages for the past year were within 1° of their respective annual normals. The greatest negative departures were -1.0° for Idaho, followed by -0.8° for Texas. The annual mean temperatures were generally somewhat below normal in the Gulf States, Rocky Mountains, and Pacific States, except in Nevada and Washington, and practically normal to above elsewhere. The greatest plus departures were in the Northern Plains. Table 1 presents monthly and annual temperature departures from normal for the year 1942.

During the crop season from March 1 through September 30, temperatures were somewhat above normal in a fringe along the northwestern border and North Pacific Coast and over practically the entire eastern half of the country, except the Gulf States. Greatest positive departures occurred in the Great Lakes region, the Northeast, and along the middle eastern seaboard. The western half of the country was generally slightly below normal, with the greatest negative departures occurring in Texas, New Mexico, eastern Arizona, north-central California, and northern Great Basin, and southeastern Idaho. Chart 1 in the back of this publication presents the departure from normal temperature for the 1942 crop season.

Maximum temperatures of 100° and above were reported from every section, except New York and New England during the summer. The first record of temperatures over 100° in 1942 was 104° at Laredo, Tex., on the 30th of April. Readings of 105° to 111° were observed generally over the Great Plains States a few times, but such summer temperatures are not unusual in that part of the country. The last month with over 100° was October with 107° at El Centro, Calif. A temperature of 99° was reported from Laredo, Tex., as late as November 25. The extreme highest temperature for 1942 was 126° at Cow Creek, Calif., on July 24. The highest ever recorded in the United States was 134° at Greenland Ranch, Death Valley, Calif., on July 10, 1913.

A severe cold wave, at the beginning of the year, spread southeastward over practically the entire portion of the country east of the Rockies. Subzero temperatures were observed far south, and temperatures of -15° at Miami, Tex., on January 5 and -2° at Hollywood, Ga., on the 11th were reported. Freezing temperatures were observed in North Dakota and at the higher elevations of the West as late as April. In late October

zero weather again occurred in the more northern Plains States and Rocky Mountains, reaching Kansas by the 29th of November. The lowest temperature for the year was -52° at Taylor Park, Colo., on February 18.

The average annual precipitation for the country as a whole, based on weighted averages, was 31.10 inches for 1942, or 7 percent above the average for the period from 1886 to 1942 in which the extreme means were 32.74 inches in 1915 and 24.65 inches in 1910. Chart 4 in the back of this publication presents the areal distribution of total precipitation for 1942.

Monthly and annual amounts of precipitation by States are shown in table 3. Louisiana experienced the greatest rainfall with 56.84 inches, and Nevada the least, with 7.41 inches. Other States receiving more than 50 inches were Alabama, Florida, Georgia, New Jersey, North Carolina, and Tennessee, while an average of less than 20 inches also occurred in Montana, North Dakota, Wyoming, Colorado, Utah, New Mexico, and Arizona. The driest section of the United States was the Rocky Mountain area.

The greatest monthly amount reported at any station was 35.09 inches at Illahe, Oreg., in December; 34.09 inches was recorded at Valsetz in the same State during November. In contrast, 178 stations in California in August and 115 stations in Arizona in May and June were entirely without precipitation.

Precipitation averaged within 25 percent of the usual amounts for all States except Arizona where it was 33 percent below normal. South Dakota was exactly 25 percent above normal. The only States that were drier than usual for the year were California, Washington, Nevada, Utah, Arizona, Mississippi, and South Carolina. Although the Gulf States received the greatest

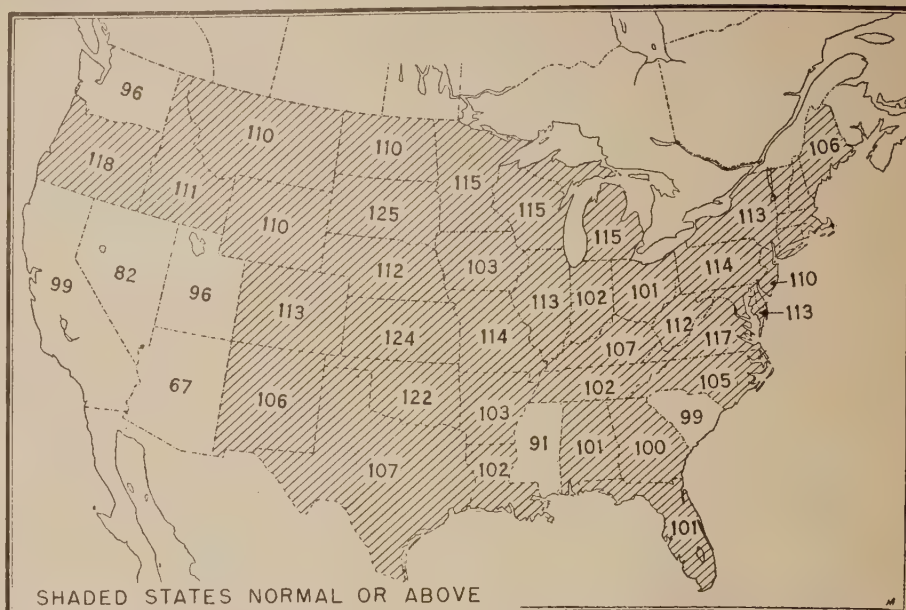


FIGURE 2.—Percentage of normal precipitation, April 1–September 30, 1942.

amounts of precipitation, such an occurrence is practically normal for that part of the country. Figure 1 presents the State percentages of normal precipitation for the year; table 2, these percentages for the months and year; and table 4 the comparative percentages of normal annual precipitation for the last 10 years.

Snowfall was generally above normal over most northern sections of the country, with annual averages of 81.2 inches in the northern New England States, 77.5 in Michigan, 32.3 in Iowa, 77.3 in Colorado, and 54.5 in Washington. The total snowfall at Connecticut Lake, N. H. (elevation 1,660 feet) was 240.2 inches; at North Lake, N. Y. (elevation 1,833 feet), 230.0; at Calumet, Mich. (elevation 1,241 feet), 208.0; at Cumbrea, Colo. (elevation 10,015 feet), 385.0; at Tamarack, Calif. (elevation 8,060 feet), 467.0; at Paradise Inn, Ranger Station, Wash. (elevation 5,550 feet), 561.4. In contrast, most stations in the Gulf Coastal Plains received no snowfall, with only one station in Florida reporting as much as a trace.

It is shown by figure 2 that during the growing season, April 1 to September 30, 1942, precipitation was somewhat below normal in Nevada, Arizona, and Utah, and near normal in the Southeast and the far Northeast. Elsewhere amounts were above normal with substantial excesses in the western Cotton Belt, Great Plains, western Lake region, and especially in California. The active growing season, May to August, had a country-wide average of 12.12 inches, making it one of the wettest seasons of record. Precipitation over most of the United States was particularly favorable for crops during 1942. Charts 2 and 3 in the back of this publication present the total precipitation and the departure from normal precipitation, respectively, for the crop season.

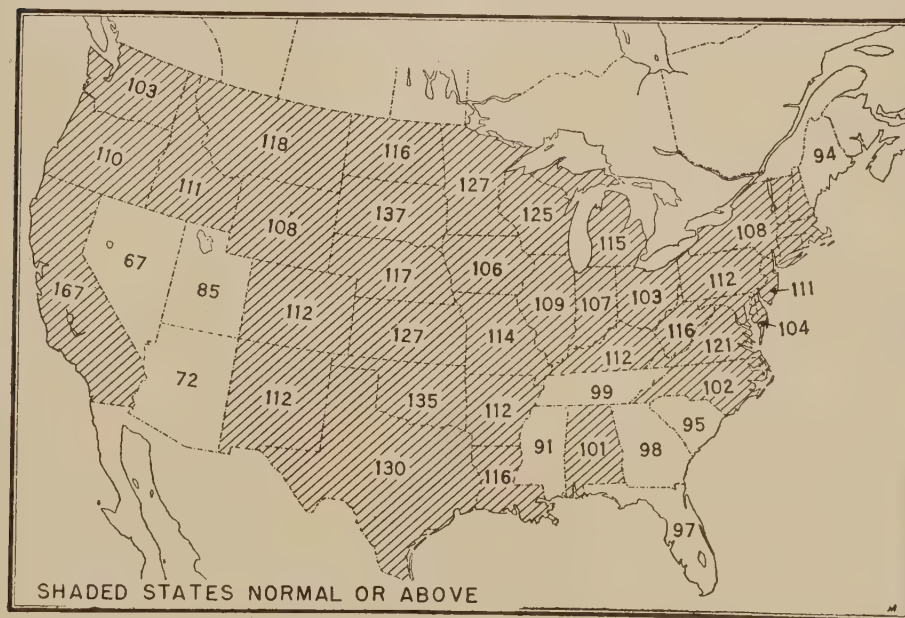


FIGURE 1.—Percentage of normal precipitation, 1942.

TABLE 1.—Monthly and annual temperature departures from normal for the year 1942

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama.....	-3.2	-3.9	-0.4	+1.0	.0	+0.4	+0.7	-1.1	-2.3	+1.0	+3.0	+1.7	-0.3
Arizona.....	+7	-4.6	-3.6	-2.0	-2.3	-1.6	+1.4	-7	+1	.0	+3.0	+3.1	-5
Arkansas.....	-3.1	-2.3	+4	+1.3	-1.1	+1	+6	-1.3	-3.1	.0	+3.2	.2	-5
California.....	+1.1	-2.6	-1.2	-2.1	-2.9	-1.4	+5	+2	-7	+1.0	-3	+8	-6
Colorado.....	-1.8	-6.1	-3.2	+2.6	-4	-6	+8	+6	-4	+7	+2.4	+3.0	-2
Florida.....	-2.1	-5.2	-2.0	-0.8	-3	+3	+1.9	+3	+5	+2.2	+5.5	+2.5	+2
Georgia.....	-1.4	-4.8	-1.2	+0.7	-3	+4	+1.2	-1.0	-1.2	.0	+2.2	+3	-4
Idaho.....	-4.1	-4.2	-3.1	+1.4	-3.5	-3.5	+1.0	+6	+1.4	+1.2	-1.0	+1.8	-1.0
Illinois.....	+2	-8	+3.3	+3.3	+2	+3	+3	-1.1	-2.2	+4	+2.7	-4.0	+2
Indiana.....	-4	-2.2	+2.7	+4.3	+1.2	+8	+5	-6	-2.1	+1.0	+2.8	-4.2	+3
Iowa.....	+3.1	+1.1	+3.7	+6.0	-9	+1	-4	.0	-2.5	+1.4	+2.5	-3.9	+9
Kansas.....	+5	-7	+1.0	+3.3	-8	-1.1	+8	-1.0	-3.2	+5	+2.2	-8	+1
Kentucky.....	-3.0	-2.9	+2.0	+2.0	.0	+8	+1.0	-9	-2.9	+3	+3.4	-1.6	-2
Louisiana.....	-3.8	-3.6	-2.3	.0	-4	+1	.0	.0	-2.6	+4	+2.9	+8	-7
Maryland and Delaware.....	-8	-1.3	+2.1	+3.4	+3.5	+1.4	+7	-8	+5	+1.5	+1.6	-3.1	+7
Michigan.....	+6	-5	+3.8	+6.2	+7	+3	-1.2	+1	-2.3	+5	+2	-3.6	+4
Minnesota.....	+8.2	+3.9	+6.5	+6.0	-2.5	-1.7	-2.1	.0	-4.3	+9	+3	-4.5	+9
Mississippi.....	-3.8	-3.9	-9	+0.9	-5	+4	+9	-9	-2.3	+1.0	+3.6	+9	-4
Missouri.....	+4	-1	+1.8	+3.8	-7	-3	+7	-1.4	-2.0	+3	+3.5	-1.6	+4
Montana.....	-1	-2.1	+1.4	+2.8	-2.8	-3.8	-3	+2	+8	+1.6	-1.3	+1.8	-2
Nebraska.....	+1.7	-1.2	+1.0	+4.4	-2.1	-1.2	.0	+5	-3.3	+1.0	+1.8	+9	+3
Nevada.....	+4	-2.4	-1.4	+0.8	-2.3	-1	+3.4	+1.6	+1.7	+3.0	+2.0	+5.5	+1.0
New England.....	-1.0	-1.1	+4.5	+2.7	+3.4	+8	-7	-1	+6	+1.5	-1	-4.3	+5
New Jersey.....	-2.0	-9	+3.0	+3.5	-3.9	+8	+8	-7	+3	+1.5	+1.2	-3.8	+6
New Mexico.....	+5	-3.2	-3.3	+1	-7	.0	+6	-4	-1.2	-5	+3.4	+4.1	-1
New York.....	-6	-1.9	+4.4	+4.6	+3.6	+1.2	-1	.0	.0	+2.0	+8	-4.1	+8
North Carolina.....	-1.8	-4.8	+1.1	+2.3	+1.1	+1.6	+1.5	-7	+4	+9	+1.9	-1.7	+2
North Dakota.....	+12.0	+4.4	+6.1	+3.4	-3.6	-2.9	-1.9	-2	-2.8	+2.5	+1.3	-2.4	+1.3
Ohio.....	+1	-2.4	+3.4	+4.6	+1.9	+1.6	+1.0	-4	-1.1	+1.7	+2.1	-4.0	+7
Oklahoma.....	-1.2	-2	-1	+1.9	-9	-2	-3	-1.6	-3.1	-9	+3.1	+8	-2
Oregon.....	-3.6	-1.3	-1.4	+6	-2.7	-2.8	+9	+8	-4	+1.8	-4	+2.6	-4
Pennsylvania.....	-1.0	-2.4	+2.4	+4.1	+2.8	+9	+3	-8	-5	+1.3	+4	-4.0	+3
South Carolina.....	-1.0	-5.5	+3	+1.9	+1	+1.2	+1.7	-7	+6	+1.0	+2.5	-1.1	+1
South Dakota.....	+6.7	+2.1	+2.7	+4.9	-3.8	-2.3	-1.5	+3	-4.1	+1.0	+1.7	-7	+6
Tennessee.....	-3.0	-4.0	+1.1	+2.1	+4	+1.6	+2.1	-1.0	-1.9	+7	+3.7	-8	+1
Texas.....	-2.8	-1.9	-1.9	-2	-6	+2	-1.4	-1.2	-3.5	-1.1	+3.2	+1.2	-8
Utah.....	-2.2	-5.6	-4.8	+8	-3.4	-1.5	+1.5	+3	+2	+1.8	+9	+4.1	-7
Virginia.....	-1.5	-2.7	+1.4	+3.3	+2.7	+1.6	+1.6	-8	+1	+1.3	+2.1	-2.9	+5
Washington.....	-3.0	+9	-4	+9	-5	-1.5	+2.1	+3.1	+2.6	+1.5	-2.9	-1	+2
West Virginia.....	-1.9	-4.0	+1.7	+2.9	+1.8	+1.7	+7	-7	-1.3	+1.1	+1.5	-3.2	.0
Wisconsin.....	+3.1	+1.7	+4.5	+6.3	-1.1	-4	-1.2	.0	-3.1	+5	+4	-4.2	+5
Wyoming.....	-2.8	-5.2	-1.4	+4.0	-2.6	-2.1	+1.4	+1.2	-2	+1.3	+9	+3.6	-2

TABLE 2.—Percentage of normal precipitation, 1942

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama.....	68	89	124	41	88	131	87	137	125	74	56	164	101
Arizona.....	79	46	46	179	0	0	62	79	61	108	11	84	67
Arkansas.....	73	87	86	169	80	112	37	165	106	100	102	115	103
California.....	86	83	54	231	182	19	14	160	16	49	160	93	99
Colorado.....	88	114	89	242	48	146	66	82	112	196	71	98	113
Florida.....	136	142	191	100	89	152	67	77	101	30	33	119	101
Georgia.....	106	93	167	37	126	113	83	109	128	78	65	146	100
Idaho.....	64	91	46	106	188	121	81	34	50	88	197	160	111
Illinois.....	61	173	94	75	104	138	150	105	84	72	194	130	113
Indiana.....	58	140	109	82	102	142	121	111	82	62	157	90	102
Iowa.....	69	106	114	39	117	128	133	89	108	65	109	134	103
Kansas.....	54	117	101	174	67	162	72	144	158	141	59	212	124
Kentucky.....	65	77	96	76	93	109	112	175	113	104	143	138	107
Louisiana.....	57	115	117	109	99	176	75	118	130	93	30	97	102
Maryland and Delaware.....	75	70	166	31	111	100	113	160	90	215	95	121	113
Michigan.....	92	59	166	53	134	112	127	101	147	109	106	148	115
Minnesota.....	25	41	195	97	171	89	103	143	159	57	43	34	115
Mississippi.....	53	88	111	72	85	104	56	135	112	111	39	134	91
Missouri.....	69	145	65	97	113	164	79	111	104	100	158	183	114
Montana.....	58	90	76	92	177	127	90	87	82	94	164	96	110
Nebraska.....	51	136	153	125	125	140	50	91	189	59	59	94	112
Nevada.....	82	77	63	101	99	47	32	58	7	71	191	92	82
New England.....	85	87	167	58	91	129	115	76	95	89	137	141	106
New Jersey.....	82	76	152	38	65	81	156	173	120	95	129	128	110
New Mexico.....	43	74	62	323	22	67	61	137	137	147	3	172	106
New York.....	69	90	141	78	118	82	129	94	143	101	125	183	113
North Carolina.....	68	90	130	31	129	103	87	123	132	139	68	140	105
North Dakota.....	19	77	235	135	131	91	100	151	107	46	31	110	110
Ohio.....	49	102	98	85	108	107	104	102	108	80	137	137	101
Oklahoma.....	51	99	61	239	48	170	53	161	156	126	80	157	122
Oregon.....	73	100	46	94	187	130	102	57	25	72	207	180	118
Pennsylvania.....	58	92	127	65	153	92	121	107	130	140	117	162	114
South Carolina.....	75	92	184	44	127	105	103	99	84	60	72	118	99
South Dakota.....	11	95	172	140	205	124	105	99	134	65	62	60	125
Tennessee.....	80	93	96	59	78	89	107	169	95	107	78	169	102
Texas.....	35	69	56	179	71	107	132	179	138	131	53	89	107
Utah.....	80	100	92	132	107	46	82	64	52	82	192	99	96
Virginia.....	77	59	114	20	136	125	93	192	144	211	71	132	117
Washington.....	53	74	65	80	146	171	191	43	15	96	148	107	96
West Virginia.....	56	71	94	53	117	115	96	174	137	141	139	164	112
Wisconsin.....	55	45	132	68	175	114	122	79	171	77	105	143	115
Wyoming.....	63	82	56	142	147	88	80	59	101	166	234	88	110

TABLE 3.—*Monthly and annual precipitation (inches), 1942*

State	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Alabama	3.37	4.73	7.28	1.80	3.40	5.72	4.83	6.43	4.08	1.99	1.77	8.12	53.52
Arizona	1.07	.50	.60	1.20	T	T	1.34	1.84	.82	.93	.11	1.08	9.49
Arkansas	3.20	2.97	3.95	8.42	3.89	4.54	1.39	5.94	3.52	3.19	3.83	4.87	49.71
California	4.17	3.80	1.98	3.98	1.75	.06	.01	.16	.07	.60	3.78	3.64	24.00
Colorado	.69	1.13	1.17	4.35	.90	2.07	1.41	1.59	1.58	2.33	.55	.88	18.65
Florida	3.79	4.53	6.06	2.90	3.46	10.35	4.84	5.42	6.70	1.24	.72	3.35	53.36
Georgia	4.46	4.53	8.10	1.38	4.29	5.05	4.79	5.76	4.61	2.08	1.68	6.29	52.99
Idaho	1.38	1.60	.82	1.52	3.14	1.60	.54	.22	.54	1.32	4.09	3.35	20.12
Illinois	1.45	3.34	2.92	2.62	4.19	5.47	4.89	3.53	3.06	1.92	5.12	2.76	41.27
Indiana	1.79	3.40	4.00	2.92	4.04	5.55	4.03	3.71	2.71	1.73	4.83	2.48	41.19
Iowa	.76	1.15	1.96	1.06	4.70	5.93	4.89	3.17	4.13	1.53	1.76	1.59	32.63
Kansas	.37	1.17	1.45	4.47	2.53	6.49	2.25	4.57	4.48	2.80	.75	1.82	33.15
Kentucky	2.93	2.62	4.48	3.01	3.62	4.54	4.71	6.56	3.24	2.81	4.88	5.34	48.74
Louisiana	2.73	5.27	5.48	5.10	4.56	8.40	4.63	6.15	5.09	3.10	1.17	5.16	56.94
Maryland and Delaware	2.53	2.12	6.01	1.10	3.88	4.01	4.89	7.34	2.99	6.53	2.41	3.85	47.66
Michigan	1.82	1.00	3.44	1.26	4.32	3.45	3.46	2.80	4.69	2.99	2.68	3.06	71.97
Minnesota	.19	.30	2.34	2.06	5.52	3.60	3.35	4.67	4.55	1.06	.49	.93	29.06
Mississippi	2.70	4.27	6.31	3.52	3.61	4.42	2.87	5.71	3.38	2.90	1.40	7.13	48.22
Missouri	1.66	3.00	2.05	3.83	5.31	7.70	2.85	4.24	4.19	2.97	4.27	4.01	46.08
Montana	.53	.69	.74	1.04	3.76	3.16	1.25	.93	1.13	1.01	1.71	.92	16.87
Nebraska	.27	.95	1.70	2.99	4.25	5.12	1.54	2.46	3.94	.86	.44	.65	25.17
Nevada	.98	.83	.62	.81	.85	.24	.12	.29	.03	.44	1.28	.92	7.41
New England	2.93	2.70	6.13	1.93	3.03	4.46	4.32	2.89	3.59	3.11	4.78	4.74	44.61
New Jersey	2.98	2.69	5.73	1.39	2.41	3.11	7.30	8.24	4.55	3.43	4.14	4.55	50.52
New Mexico	.25	.54	.48	2.97	.27	.84	1.51	3.34	2.46	1.72	.02	1.22	15.62
New York	2.00	2.42	4.36	2.32	4.03	3.00	5.04	3.53	4.98	3.32	3.75	5.43	44.18
North Carolina	2.53	3.63	5.44	1.10	5.21	4.84	5.14	6.89	5.18	4.61	1.76	5.36	51.69
North Dakota	.09	.36	1.83	1.96	3.03	3.12	2.43	3.09	1.67	.46	.18	.53	18.75
Ohio	1.48	2.66	3.30	2.70	3.96	4.19	3.98	3.48	3.18	2.03	3.72	3.75	38.43
Oklahoma	.74	1.40	1.29	8.31	2.21	6.69	1.49	4.78	4.91	3.87	1.64	2.63	39.96
Oregon	2.75	3.19	1.25	1.86	3.27	1.65	.43	.24	.30	1.38	7.70	7.07	31.09
Pennsylvania	1.86	2.62	4.47	2.21	5.88	3.82	5.16	4.53	4.38	4.51	3.35	5.05	47.84
South Carolina	2.66	3.90	7.17	1.40	4.46	5.00	5.99	5.68	3.35	1.72	1.66	4.26	47.25
South Dakota	.06	.53	1.93	2.95	5.86	4.27	2.52	2.08	2.05	.76	.38	.32	23.71
Tennessee	3.87	4.04	5.11	2.60	3.20	3.73	4.84	6.88	2.82	3.04	2.76	7.64	50.53
Texas	.66	1.27	1.15	5.50	2.65	3.39	3.53	4.32	4.06	3.46	1.20	2.04	33.23
Utah	.98	1.30	1.30	1.60	1.28	.27	.75	.66	.55	.94	1.82	1.10	12.55
Virginia	2.53	1.81	4.19	.65	5.02	5.25	4.30	8.70	4.41	6.34	1.71	4.05	48.96
Washington	2.56	2.77	2.14	1.90	2.94	2.86	1.28	.33	.26	2.81	7.57	5.94	33.36
West Virginia	2.02	2.22	3.64	1.86	4.61	5.17	4.44	7.22	3.97	4.04	3.81	5.42	48.42
Wisconsin	.68	.54	2.29	1.71	6.36	4.64	4.27	2.63	6.40	1.90	1.95	1.89	35.26
Wyoming	.49	.64	.64	2.32	2.97	1.43	1.07	.65	1.17	1.79	1.64	.65	15.46

TABLE 4.—*Percentage of normal precipitation by States*

State	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942
Alabama	91	104	93	113	111	92	112	102	87	101
Arizona	86	78	112	103	99	101	93	125	151	67
Arkansas	101	88	117	72	114	102	104	93	96	103
California	86	76	94	111	123	128	67	152	154	99
Colorado	92	66	96	98	88	117	65	102	136	113
Florida	106	101	99	109	111	82	103	99	111	101
Georgia	84	96	90	118	106	85	99	95	86	100
Idaho	100	89	72	96	116	113	79	127	124	111
Illinois	94	88	112	82	99	109	96	77	106	113
Indiana	103	75	100	86	117	104	99	83	83	102
Iowa	79	85	105	82	87	115	80	97	116	103
Kansas	83	74	106	69	78	102	75	96	138	124
Kentucky	111	81	126	83	109	101	104	85	73	107
Louisiana	98	106	102	82	106	90	92	134	109	102
Maryland and Delaware	120	112	116	107	126	101	106	105	79	113
Michigan	99	83	93	89	101	103	99	107	105	115
Minnesota	83	80	102	73	102	113	87	101	116	115
Mississippi	94	100	96	84	104	92	102	114	87	91
Missouri	90	85	118	73	93	102	95	81	105	114
Montana	103	73	71	75	85	109	84	100	115	110
Nebraska	85	61	97	62	75	95	69	74	104	112
Nevada	75	79	96	116	101	134	97	125	154	82
New England	107	103	93	119	114	122	92	103	78	106
New Jersey	109	99	93	105	105	116	95	107	82	110
New Mexico	88	70	102	94	104	101	91	104	195	106
New York	96	90	97	103	112	106	88	103	82	113
North Carolina	79	108	97	121	107	97	99	92	78	105
North Dakota	77	55	105	52	99	89	82	101	134	110
Ohio	99	70	104	88	117	105	100	101	83	101
Oklahoma	93	84	112	67	85	101	81	103	143	122
Oregon	108	99	78	89	133	101	79	113	114	118
Pennsylvania	107	92	95	100	110	95	87	103	80	114
South Carolina	75	95	89	122	109	85	97	90	93	99
South Dakota	76	66	85	58	86	88	79	79	108	125
Tennessee	102	95	100	95	112	100	100	86	74	102
Texas	84	87	121	102	87	88	80	113	141	107
Utah	83	74	85	132	115	118	90	123	163	96
Virginia	95	110	112	109	128	101	99	107	74	117
Washington	136	110	84	93	125	84	91	103	98	96
West Virginia	113	87	119	98	116	99	101	103	84	112
Wisconsin	89	100	100	84	90	137	87	108	112	115
Wyoming	87	78	87	94	110	108	73	103	128	110

January.—The first half of January was persistently cold, with temperatures dropping below zero quite generally from the Rocky Mountains eastward to the New England Coast and as far south as central Virginia, western North Carolina, and Tennessee. The lowest January temperature of record for Tennessee was equalled by -23° at Union City, and a new record low of -23° was established in South Jersey. A hard freeze penetrated the deep South, with minimum temperatures as low as 16° in northern Florida. Warm weather prevailed during the last half of the month in most sections with daily temperatures averaging from 20° to almost 30° above normal in northwestern areas; however, subnormal temperatures continued in the Great Basin of the far West. Averages for the month as a whole were decidedly above normal in the northern Plains.

During January precipitation was decidedly scanty in most sections, especially in the Great Plains, Rocky Mountains, and Southwest. It was wetter than usual in southern Alabama, southern Georgia, extreme northern Florida, and in sections of the Pacific States. Averages for the various States were below normal, except Georgia and Florida. North Dakota received the least January precipitation of record.

February.—The relatively coldest month was February. The mean temperatures for this month were above normal in the western Lake Region, the Missouri and upper Mississippi Valleys, and western sections of the Pacific States, and below elsewhere, with departures averaging -6.1° in Colorado, -5.6° in Utah, and -5.5° in South Carolina. The first half of the month was mild to abnormally warm for the season, except slightly below normal in the more eastern States; the latter half was decidedly cold.

Precipitation was heavy south of the Great Lakes, especially along the middle Gulf coast, and also in Pacific areas. Amounts were generally light in the Southwest, most Rocky Mountain sections, and from Montana to Michigan. This was the fourth wettest February of record in Illinois and the fifth driest in Wisconsin.

March.—Temperatures averaged below normal from eastern California and eastern Oregon eastward over the middle and southern Rocky Mountains and Gulf coastal plains, with departures averaging nearly 5° below their usual values in Utah and northern Arizona; elsewhere, monthly means were above normal. Departures for the month exceeded their normals by more than 8° at many stations in the northern interior.

Precipitation was heavy in a large southeastern area, in the Atlantic States, in a considerable north-central area, and in some Pacific coastal sections; while in the Southwest, it was decidedly dry. This was the wettest March on record in Minnesota and the second wettest in North Dakota. Record breaking snows for being so much so late in the season occurred in the southern Appalachian region on the 2d and 3d, in New Mexico on the 6th and 7th, and in Maryland, Delaware, and Pennsylvania on the 28th and 29th.

April.—Temperatures for April averaged above normal over practically the entire country, the exceptions being in California, Arizona, Florida, the immediate Gulf Coast, and sections of New Mexico. Excesses averaged more than 6° in most of the Lake Region. It was the second warmest April on record in Michigan and Wisconsin and the third in Iowa.

Heavy rains occurred in the Pacific States and western Plains, and amounts were abnormally large from Colorado and New Mexico to the lower Mississippi Valley; with monthly totals exceeding 10 inches in northeastern Texas, eastern Oklahoma, Arkansas, and some adjacent areas. On the other hand this was the driest April of record in the East, with the dryness extending southward over northern Florida. Heavy rains fell in extreme southern Florida in connection with a tropical storm, which produced a record rainfall of 19.32 inches at Miami airport on the 16th and 17th. It was the driest April of record in North Carolina, Maryland, and Delaware and the second driest in Virginia, New Jersey, and Iowa. Extremely heavy showers, which occurred in southeastern Florida on April 15 to 17th during the passage of a tropical storm, caused over \$2,000,000 damage, mostly to vegetables.

May.—Temperatures were considerably above normal from the Carolinas to eastern Canada and generally below west of the Mississippi River, except in far Southwestern and north Pacific areas.

The drought situation was mostly relieved in the Atlantic States and Appalachian region during May and most of the northern portion of the country had above normal amounts, while a large portion of the Southwest had scanty rainfall. The average for Arizona was a trace, with 117 stations out of 140 in this State receiving no rain. It was the wettest May of record in Oregon.

June.—It was somewhat warmer than usual over the region east of the Mississippi River and in the Southwest and from nearly 2° to over 4° below normal in a large area from Minnesota westward almost to the middle and north Pacific coast.

The month was characterized by extreme dryness in the far Southwest and Great Basin of the far West and by abnormally heavy rains in much of the interior, especially the Great Plains, and in most sections of the south Atlantic and Gulf Coastal Plains. Although May and June normally are quite dry in Arizona, this

was the only time of record with only an average of a trace for both May and June.

July.—Temperatures averaged moderately above normal over practically the entire country, the exceptions being most of southern Texas, an extreme northern area extending from the Dakotas to northern Michigan, and the greater portion of New England.

Marked local contrasts in rainfall occurred during this month. For instance, Cairo, Ill. received only one-fifth the usual amount, while nearby St. Louis, Mo., had the wettest July since 1875; also, Abilene, Tex., and Vicksburg, Miss., had the second driest, while San Antonio and Corpus Christi, Tex., had the wettest July of record. Totals for the month were generally light in the far West while they exceeded 8 inches in the middle and west Gulf Coastal Plains, sections of the middle Mississippi Valley, and in Appalachian areas.

August.—Monthly mean temperatures for August were mostly somewhat below normal in the region from New Jersey and Pennsylvania westward to Kansas and southward almost to the Gulf and generally above elsewhere, especially in the far Northwest.

Precipitation was quite heavy during August in the Middle Atlantic States, most of the South, and in Kansas, North Dakota, Minnesota, and New Mexico, while it was light from Montana, Wyoming, and Colorado to the Pacific Coast.

Two hurricanes moved in over the coastline of Texas during August. The first, occurring on the 21st, damaged property to the extent of \$601,000, but no lives were lost. The second, striking on the 30th, caused the death of 8 persons and destruction of property valued at \$26,500,000 of which \$15,000,000 was suffered by crops, principally cotton and rice. The latter storm was attended by winds of over 100 miles per hour with gales extending well into the Edwards Plateau of Texas. It also produced new records of heavy rainfall at many stations in New Mexico.

September.—The first half of the month was rather uniformly warm, but the latter part brought abnormally cold weather to nearly all sections east of the Rockies. Record-breaking low temperatures for so early in the season were experienced in a considerable north-central area with unprecedentedly early snowfall. New low temperature records were established at half of the stations in Virginia.

Precipitation was generally above the average east of the Rocky Mountains except in the immediate central Mississippi Valley, and decidedly below normal in the far West with the driest September of record in Washington State. Monthly totals exceeded 8 inches in northwestern Wisconsin, eastern Kansas, and in areas from northeastern Texas to northern Florida. The earliest general snowstorm of record was reported from Iowa and central and southern Minnesota on the 25th and 26th.

October.—Temperatures averaged somewhat above normal in nearly all sections. A severe cold spell occurred between the 27th and 29th, when freezing temperatures and damaging frosts extended southeastward to the northern border of Florida.

Precipitation was rather spotted, being mostly below the usual amounts west of the Rocky Mountains, in the northern interior States, and in the Southeast. It was quite heavy in the area from Wyoming to central Texas, in the middle Atlantic States, and in western Washington.

November.—Warm weather prevailed during most of the month over the greater portion of the country, the principal exceptions being in northeastern border districts and much of Montana, Idaho, and sections of the Pacific States. The warmth was most persistent in cen-

tral and southern sections, where temperature departures averaged from 2° to 4° above normal. It was the warmest November since 1931 in Arkansas and Florida. A southeastward surge of cold Canadian air near the end of the month brought readings of 20° below zero into Michigan on the 29th, which was the lowest ever recorded in that State during November.

November was abnormally wet in a large far northwestern area, including northern California. Amounts were also heavy from the Lake region and central Mississippi Valley eastward over the Ohio Valley and North Atlantic States. It was very dry in the South, western Plains, and especially in the Southwest. This was the wettest November of record in Wyoming and the second wettest in Oregon and Illinois.

December.—The month was much warmer than usual in the Gulf States and the far West, with the plus anomalies exceeding 6° in the middle and southern Rocky Mountains States. Elsewhere temperatures averaged below normal, especially in the area from North Dakota and the upper Mississippi Valley to the North Atlantic coast, where the departures were generally 4° or more below normal. It was the coldest and wettest December during the past 15 years at many stations in Michigan, Wisconsin, and adjoining areas.

Precipitation was below normal in most of the west Gulf coastal Plains and in the area from southern California and Arizona northeastward over the Great Basin, northern Rocky Mountains and northern Plains, and generally above elsewhere. Totals for the month exceeded 10 inches in many sections of Tennessee, Alabama, Mississippi, and east-central Louisiana, and also quite generally from northern California to Washington where monthly totals exceeded 20 inches at a number of stations.

ALASKA

In the southern division of Alaska for 1942 temperatures averaged 42.2° or 1.3° above the normal, precipitation 91.28 inches or 4.88 inches above the normal, and the total snowfall 77.7 inches or 20.8 inches above the normal. In the northern division temperatures averaged 28.7 or 2.8 above the normal, precipitation 16.67 inches or 1.98 inches above the normal, and snow 41.9 inches or 16.8 inches below the normal.

The highest temperature recorded in the territory was 92° at Allakaket on June 26, and the lowest was -62° at Northway on December 19 and 20. The greatest annual precipitation was 208.87 inches at Latouche, and the least was 6.46 inches at Barrow. The greatest annual snowfall was 263.2 inches at Annex Creek, and the least was 14.6 inches at Skagway.

The first 10 months of 1942 were persistently above

normal. September was the warmest September of record with temperatures averaging 2.4° above normal in the southern division and 5.1° above in the northern division. Abnormally heavy rainfall occurred over Susitna Drainage Basin during the last 10 days of September, with Curry reporting a 72-hour rainfall of 7.25 inches from the 20th to the 22d. These unusually heavy rains resulted in much property damage in the Talkeetna area.

HAWAII

The average temperature for the Territory was 72.8° or 8.8° above the normal. The highest monthly mean temperature for the Territory was 76.1° in August and the lowest 67.6° in March. The highest temperature was 95° at Waianae, Oahu, on August 29th, and the lowest was 34° at Kanaloahuluhulu, Kauai, on January 3d and the 22d. The November and December average temperatures of 74.3° and 72.7°, respectively, were the highest of record for these months. March, with an average temperature of 67.6°, was the coolest since 1918.

The most outstanding feature of the weather for the territory was the unprecedented rains which occurred during March. Some Koolau mountain stations on Oahu reported their greatest March precipitation of record. In Hawaii the windward upland areas of the Hauiakua and Kohala districts experienced by far their greatest March rainfall of record and at some of these stations the monthly totals and 24-hour amounts exceeded all previous records for any month. In East Maui amounts of rainfall received at some of the higher stations also established March records. The March average precipitation for the entire territory was 23.62 or the second highest average for any month of record and the greatest monthly total of 111.75 inches (partly estimated) occurred at Puokokamoa No. 2, Maui, during this month as did the greatest 24-hour amount of 21 inches at Honomu (Mauka), Hawaii, on the 9th.

The average surface wind movement of 12.8 miles per hour for March was the second greatest of any month of record.

WEST INDIES AND CARIBBEAN SECTION

The mean annual temperature for 1942 was 79.7° or 1.0° above the normal. Temperatures averaged above their usual values for all divisions of the Caribbean area. The extreme temperatures for the year were 98° at Dos Bocas and Rio Piedras, P. R., in July; and 47° at Cienfuegos, Cuba, in February. The annual rainfall during 1942 for the entire West Indies and Caribbean section averaged 69.60 inches or 5.83 inches above the normal.

A hurricane in British Honduras caused damage to property and crops estimated at \$4,000,000.

TORNADOES, 1942

The Weather Bureau Section Directors have compiled tornado data annually since 1916. The information for 1942, the twenty-seventh year in the series, is given in table 5, page 7-14 and a summary for each of the years is shown in table 9, page 16.

Descriptions of most of the tornadic disturbances of 1942 have previously appeared in Weather Bureau publications. The present tabulation differs slightly from that of the preliminary survey for 1942, printed in the December 1942 issue of the MONTHLY WEATHER REVIEW, because further investigation has determined changed classifications for a certain few storms.

For 1942, 29 States reported 173 tornadoes; 19 States, the District of Columbia, the 2 Territories, and the West Indies reported none. Two tornadoes which originated in Iowa passed into Illinois and Minnesota, and 1 that originated in Alabama passed into Tennessee, hence the net total for the year is 170. This total is 53 tornadoes more than were experienced in 1941, and is 121 percent of the average number per year, 1916 through 1941. In 6 of those years more tornadoes were reported than occurred in 1942 and in 20 years the number was less. The number of destructive tornadoes was reduced to 165 because 3 of the disturbances failed to extend to the ground and 2 struck unoccupied areas.

The estimated damage to property caused by tornadoes in 1942 was \$15,268,950. This sum is 136 percent of the annual average amount of tornado losses throughout the country since 1916. More property losses than in 1942 were reported in 5 of the years, and in 21 years the damage was not so great as in 1942. Damage to crops amounted to only three one-hundredths of the total 1942 property losses.

Three hundred and eighty-four persons were killed by tornadoes during the year, or 160.7 percent of the average for the period, 1916-41. Only 6 of the years had more loss of life than 1942. The average number of lives lost annually through tornadoes since 1916, including 1942, is approximately 2 for each storm. Persons injured by tornadoes in 1942 number 2,085, compared with 458 in 1941 and 780 in 1940.

In the Rocky Mountain States and westward, only five tornadoes occurred, three in Colorado, one in Montana, and one in Wyoming. One of the storms in Colorado, on April 30th, caused property damage estimated at \$50,000; damage from the other storms was slight. Each of the five storms was east of the mountains.

Between the Rocky Mountain States and the Mississippi River only North Dakota was spared from the ravages of tornadoes. Each of the other States had at

least 2 storms and Iowa, Kansas, and Oklahoma had 18, 21, and 15, respectively. Altogether, this group of States had 100 tornadoes, or 59 percent of the 1942 national total. The estimated damages to property inflicted by tornadoes in the group amounted to \$8,320,750, or 54 percent of the total for the country. Two hundred and one persons, 52 percent of the total, were killed and 737, or 35 percent of the total, were injured.

North of the Ohio and Potomac Rivers and east of the Mississippi, 29 tornadoes, or 17 percent of the national total, struck 7 of the 16 States. Property damage of \$3,309,700 was reported for the group, or 22 percent of the total. Twenty-eight persons, or 7 percent of the country's tornado fatalities, were killed, and 181 persons, 9 percent of the total, were injured. Michigan, and all the States of this group which lie along the Atlantic were untouched, except Maryland, Massachusetts, and Connecticut, where damage was slight. The heavy damage was centered in Wisconsin, Illinois, and Indiana; in these States occurred 23 of the group's 29 tornadoes, all of the loss of life, all of the personal injuries, and almost all of the property damage. Illinois was the worst sufferer with 8 tornadoes (including 1 which originated in Iowa), property damage of \$1,831,500, 21 persons killed, and 138 injured.

South of the Ohio and Potomac Rivers and east of the Mississippi, 39 tornadoes visited 9 of the 10 States. Property damage reported in this group was \$3,587,700 or 23 percent of the national total, with 149 deaths, 39 percent of the total, and 1,163 injuries, 56 percent. West Virginia was the only State of the group unaffected; Florida, Kentucky, North Carolina, and Virginia had 1 tornado each, with no loss of life in Florida and Virginia, but 1 death occurred in North Carolina, and 24 in Kentucky. Mississippi, Alabama, Georgia, South Carolina, and Tennessee had from 5 to 10 tornadoes each, for a total of 35, with 124 killed, 1,020 injured, and property loss of \$3,225,700.

FREQUENCIES OF TORNADOES, 1942

Table 6 lists the frequencies of tornadoes by months for each State in continental United States. It will be seen from examination of the table that the occurrences of tornadoes were concentrated in the months from February through June and in December. For the year as a whole, Kansas reported the highest annual figure, namely 21; Iowa was second with 18, and Oklahoma third with 15. In the remaining States recording tornadoes, the annual frequency generally ranged from 1 to 11.

TABLE 5.—Tornadoes of 1942, arranged by States

State, number and date	Time	County	Direction of advance	Length of path	Width of path	Killed	Injured	Property losses	Remarks
ALABAMA									
1. Jan. 1	5:35 a. m	Mobile	NNE	Miles 1	Yards 150-200	Number 1	Number 12	Dollars 15,000	Jumped and dipped.
2. Jan. 1	1-3 p. m	Monroe and Conecuh	NE	20	400	0	11	25,000	
3. Jan. 31	1:30 a. m	Houston	NE	10	1,000	0	0	7,000	
*4. Feb. 6	2 a. m	Franklin	NE	(1)	200	3	34	10,000	
5. Feb. 6	8:30 a. m	Autauga and Elmore	NE	10	100	0	8	2,000	
6. Feb. 6	8:45 a. m	Chambers	E	10	200	0	6	20,000	
7. Mar. 16	5 p. m	Lauderdale	NE	1½	100	2	6	34,500	
8. Dec. 5	10 p. m	Russell	E	6	200	0	10	7,000	
ALASKA									
(None reported)									
ARIZONA									
(None reported)									

See footnotes at end of table.

TABLE 5.—*Tornadoes of 1942, arranged by States—Continued*

State, number and date	Time	County	Direction of advance	Length of path	Width of path	Killed	Injured	Property losses	Remarks
ARKANSAS									
1. Feb. 5.....	7:15 p. m.....	Pike and Montgomery.....	NE	Miles 15	Yards (3) 50	Number 1	Number 12	Dollars 500,000	Many buildings destroyed. Some buildings and trees destroyed. Many roofs and windows damaged in Little Rock.
2. Feb. 5.....	8 p. m.....	Clark, Hot Spring, and Grant.....	ENE	60	50	0	24	36,000	
3. Feb. 5.....	9:30 p. m.....	Saline and Pulaski.....	NE	15	150	3	19	1,050,000	
4. Feb. 5.....	7:30 p. m.....	Carroll.....	ENE	(2)	400	0	10	160,000	All damage in Berryville; 137 buildings destroyed. All damage in Mena; tornado bounced, touching surface at intervals.
5. Feb. 5.....	10:30 p. m.....	Randolph.....	NE	10	(3) 800	0	2	4,000	
6. Oct. 29.....	10:30 p. m.....	Carroll.....	ENE	2	800	29	100	500,000	
7. Oct. 29.....	5:40 p. m.....	Polk.....	NE	1	100	0	0	15,000	
CALIFORNIA									
(None reported)									
COLORADO									
1. Apr. 30.....	2 a. m.....	Kiowa.....	NE	35	6 1/4	4	0	50,000	All buildings and trees in path destroyed; considerable poultry and livestock killed.
2. June 14.....	1 p. m.....	Costilla.....	(1)	(1)	6 1	0	0	300	
3. June 18.....	4 p. m.....	Cheyenne.....	(1)	(1)	6 9	0	0	(4)	
CONNECTICUT									
1. Sept. 24.....	5:05 p. m.....	Hartford.....	SE	3	200	0	0		Unroofed dwellings, barns, garages, porches; leveled a 1-story frame building; falling trees crushed 2 parked cars. (Unionville, Plainville and Forestville, Conn.)
DELAWARE									
(None reported)									
DISTRICT OF COLUMBIA									
(None reported)									
FLORIDA									
1. Jan. 1.....	12 noon.....	Washington.....	NE	(1)	(2)	0	5	Slight	4 buildings demolished; 1 other slid off foundation.
GEORGIA									
1. Feb. 6.....	1-1:30 p. m., C. W. T.	Meriwether to Spalding.....	ENE	10	200-400	6	About 25	40,000	Storm first noted near Alvaton and moved over sparsely settled rural districts to within 3 miles of Griffin. Terrific destruction all along path, involving at least 20 homes, numerous smaller buildings, a cotton gin, a church building, and a large amount of timber. Principal damage was near Alvaton and Montrose (Meriwether County), Drewesville and Blanton's Mill (Spalding County). May have been continuation of preceding storm. Considerable destruction affecting more than 100 homes and many other buildings, much timber, and severe disruption of power and communication lines. Storm path extended, apparently without lifting, from eastern Spalding County through central Butts, north-central Jasper, northern Putnam, southern Greene, and terminated in extreme eastern Taliaferro County. Damage was intensified near Monticello, Eatonton, and Crawfordville. Storm rapidly lost intensity after leaving Dublin, where most of the damage occurred. Dozen automobiles severely damaged by falling trees. Several business houses and many homes severely damaged. Trees blown down or uprooted throughout city and power and communication lines down. Storm reported to have moved into South Carolina after cutting path from southeast Hart County through Hartwell. Timber in path severely damaged and considerable damage to homes, also a large auditorium in Hartwell. Occurred over very small area near Wrightsville. Three homes completely destroyed. Several others partially so. Feed barn destroyed with stored crops valued at \$1,000 lost.
2. Feb. 6.....	1:30-2 p. m., C. W. T.	Spalding to Taliaferro.....	ENE	50-60	200-880	7	50 or more	250,000	
3. Feb. 6.....	4 p. m., C. W. T.	Laurens to Emanuel.....	E	About 30	400	0	2	60,000	
4. Dec. 1.....	Late afternoon.....	Hart.....	NE	Unknown	Small	0	0	50,000	Occurred over very small area near Wrightsville. Three homes completely destroyed. Several others partially so. Feed barn destroyed with stored crops valued at \$1,000 lost.
5. Dec. 1.....	Late afternoon.....	Emanuel.....	E	Small	Small	0	2	{ 1,000 6,000	
HAWAII									
(None reported)									
IDAHO									
(None reported)									

See footnotes at end of table.

TABLE 5.—Tornadoes of 1942, arranged by States—Continued

State, number and date	Time	County	Direction of advance	Length of path	Width of path	Killed	Injured	Property losses	Remarks
ILLINOIS									
1. March 16.....	10:30 a. m.....	Champaign and Vermilion.....	NE	Miles 60	Yards 150	Number 11	Number 50	Dollars 200,000	Greatest damage occurred in Vermilion County, northeast part. Major damage occurred near Lacon in Marshall County, where 60 or more homes were destroyed.
2. March 16.....	4 p. m.....	Fulton, Peona, Knox, Marshall.	NE	60	400	7	70	600,000	
3. March 16.....	5 p. m.....	Logan.....	NE	5	400	2	2	25,000	
4. May 2.....	7 p. m.....	Morgan, Sangamon, Logan, DeWitt.	NE	65	200-300	1	12	285,000	Moved from eastern Iowa NW of Davenport.
5. June 19.....	2:30 p. m.....	Crawford.....	NE	10	440	0	2	50,000	
*6. July 5.....	11:30 p. m.....	Rock Island, Henry, Bureau.....	SE	50	4	0	2	325,000	
7. July 6.....	2 a. m.....	Morgan.....	SE	3	440	0	0	1,500	
8. July 8.....	1:30 a. m.....	Lawrence.....	NE	1	1,320	0	0	5,000 e 15,000	
INDIANA									
1. March 16.....	6 p. m.....	Shelby, Rush, Henry.....	NE	(1)	400	0	7	300,000	Most of the damage was at Shelbyville.
2. March 16.....	9:30 p. m.....	Marshall, Elkhart.....	NE	(1)	170	2	32	400,000	Most of the damage was at Goshen.
3. March 16.....	10 p. m.....	Parke.....	NE	(1)	20	0	0	1,000	Occurred near West Union.
4. June 19.....	3 p. m.....	Pike.....	NE	(1)	200	0	0	5,000	Occurred north of Iva.
5. June 20.....	6 p. m.....	Marion.....	NE	1	20	0	0	2,500	Occurred west of Indianapolis.
6. June 20.....	6:30 p. m.....	Clinton, Howard.....	NE	35	170	4	Many	500,000	Greatest damage at Kokomo.
IOWA									
*1. May 30.....	5-6:30 p. m.....	Lyon, Osceola, Dickinson.....	ENE	35	6 1/2	0	0	50,000	Struck south of Little Rock at 5 p. m., then lifted and traveled 20 miles before redeveloping and striking at Lake Park. Continued into Minnesota as No. 4.
2. June 3.....	About 1 a. m.....	Cherokee.....	S	4	(3)	0	0	2,500	Tornado formed in midst of area of hail and torrential rain, damaging buildings on several farms.
3. June 6.....	2:10 p. m.....	Cherokee.....	SSE	3	(3)	0	0	0	Three funnel clouds formed and one of these reached the ground and traveled a distance of about 3 miles across open fields and pastures. The funnel was observed from points as much as 5 to 10 miles distant. There was practically no damage.
4. June 6.....	4:20 p. m.....	Bremer.....	SE	2	(3)	0	0	(3)	Minor damage on several farms.
5. June 15.....	3 p. m.....	Pottawattamie.....	SW to NE	(2)				(3)	Following heavy hail, a dark black cloud developed into a tornado funnel. The cloud rose and fell but remained aloft most of the time. Damage was mostly confined to some telephone wires in the storm's path.
6. June 15.....	4:10 p. m.....	Madison, Dallas, Polk.....	SW to NE	30	(3)		1	10,000	A tornado developed near the Dallas-Madison County border and moved northeastward across Van Meter and Walnut townships of Dallas County, and across the northwest corner of Webster township of Polk County. Reaching Jefferson township, it turned sharply eastward and dissipated. The storm passed west of Wauke and east of Grimes. Its path was through a rural area and it lifted frequently, and damage was mostly to farm property.
7. June 15.....	5:30 p. m.....	Decatur, Lucas.....	SW to NE	12	100			20,000	Another small tornado struck in the northeast corner of Decatur County. The storm traveled in a rural area, lifting and dipping at times, and finally disappeared after it had passed into Lucas County.
8. June 15.....	6 p. m.....	Marshall.....	SW to NE	(2)					A tornado aloft was reported at Marshalltown. Tornado dipped and wrecked buildings on one farm south of Green Mountain.
9. June 15.....	7:15 p. m.....	Buchanan.....	S to N	13	200		6	250,000	A tornado caused widespread destruction in a crescent-shaped area. The path of destruction curved from southeast to northwest and thence northeast.
10. June 15.....	9 p. m.....	Jackson.....							A severe squall or tornado wrecked buildings on 2 farms near Andrew.
11. June 28.....	Late afternoon.....	Pottawattamie.....	NE	(2)	(3)	0	0	1,500	This storm may have redeveloped as No. 13.
12. June 28.....	Late afternoon.....	Pottawattamie.....	NE	(2)	(3)	0	1	1,000	Tornado developed some miles east of No. 11.
13. June 28.....	6:15-7:30 p. m.....	Guthrie-Boone.....	NE	50	6 1/2	0	0	38,000	Storm path not continuous. It may have been a redevelopment of No. 11 and followed a course parallel with No. 14. There was also some straight wind and hail damage.
14. June 28.....	7 p. m. to late evening.	Polk-Marshall.....	NE	40	6 1	1	5	40,000	Storm path not entirely continuous and partially obscured by damage due to hail and straight wind. It is possible 1 or more secondary tornadoes developed in connection with and between Nos. 13 and 14.
15. July 5.....	6:30 p. m.....	Hancock.....	SE	7	6 1/2	0	0	3,000	Tornado developed in connection with line squall and hail. It probably re-developed as No. 16.

See footnotes at end of table.

TABLE 5.—Tornadoes of 1942, arranged by States—Continued

State, number and date	Time	County	Direction of advance	Length of path	Width of path	Killed	Injured	Property losses	Remarks
IOWA—continued				Miles	Yards	Number	Number	Dollars	
*16. July 5.....	10:45 p. m.....	Scott.....	SE	(1)	(1)	0	0	50,000	Damaged trees, glass store windows, small buildings, roofs, signs and communication lines; crop loss 15 percent in a few areas. Continued as Illinois No. 12.
17. July 18.....	8 p. m.....	Calhoun.....	E	(1)	(3)	0	0	1,000	Three farms struck.
18. August 27.....	4 p. m.....	Mills.....	NE	5	(3)	0	0	3,500	Other damage by straight winds.
KANSAS									
1. April 18.....	3 p. m.....	Lane.....	NE	2	6 1/4	0	0	500	Storm struck eastern portion of Dighton. Damage was to small buildings in city and to rural property to the east.
2. April 18.....	4 p. m.....	Comanche.....	NE	1	100	0	0	3,000	Originated 4 miles south of Coldwater. 2 farms hit.
3. April 24.....	9:30 p. m.....	Kingman.....	NE	12	100	0	0	500	Originated 7 miles west of Norwich.
4. April 29.....	10:30 p. m.....	Decatur.....	NNE	20	150	15	(1)	100,000	Originated 8 miles south and 1 mile east of Oberlin. Ended 1 mile east of Cedar Bluff. Damage to rural property.
5. May 2.....	3:30-5:20 p. m.....	Wilson, Neosho, Allen, Linn.....	NE	88	6 1 1/2	3	(1)	220,000	Originated 6 miles southwest of Fredonia. Ended short distance north of Boicourt. Chief damage to rural property.
6. May 2.....	4 p. m.....	Allen and Anderson.....	NNE	15	6 1/4	0	0	100,000	Began 3 miles north of Iola. Ended 2 miles north of Lone Elm. Considerable number of livestock killed.
7. May 10.....	5-8 p. m.....	Haskell, Gray, Ford.....	ENE	48	6 1/4	0	2	80,000	Damage to farm property except in Dodge City. Forward movement of storm unusually slow.
8. May 10.....	7:30 p. m.....	Norton.....	NW	4	(3)	0	0	30,000	Occurred 4 miles north of Lenora.
9. May 22.....	3 p. m.....	Jefferson.....	NE			0	0	(3)	Vortex cloud observed; did not touch ground.
10. May 31.....	4:30 p. m.....	Ottawa.....	SE	1 1/2	200	0	2	50,000	Formed 2 miles south and 3 miles west of Delphos.
11. May 31.....	5 p. m.....	Ottawa.....	E	8	200	0	0	50,000	Began northeast of Delphos and ended 3 1/2 miles south of Lamar.
12. May 31.....	6-9 p. m.....	Clay.....	SE	4	6 1/2	0	0	6,000	Struck 2 1/2 miles northwest of Longford.
13. June 19.....	9:30 p. m.....	Riley.....	E	12	17	0	0	30,000	Originated 4 miles northeast of Milford.
14. June 19.....	10 p. m.....	Riley.....	W	2	6 1/4	0	0	9,500	Occurred 5 1/2 miles south of Riley. Course very erratic.
15. June 20.....	8:32-8:50 p. m.....	Sedgwick.....	(1)	8	6 1/4	4	0	85,000	Occurred 2 miles west of Mulvane.
16. June 20.....	11:05 p. m.....	Scott.....	SE	(1)	(1)	0	0	(1)	Occurred 2 1/2 miles west of Modoc.
17. July 18.....	6:30 p. m.....	Grant.....	SE	4	6 1/8	0	0	150	Chief damage in Hickok.
18. August 6.....	9:30 a. m.....	Shawnee.....	(1)	(1)	(1)	0	0	(3)	Did not reach ground. Occurred west of Topeka.
19. August 9.....	9:30 p. m.....	Russell.....	(1)	40	(1)	0	0	(1)	Tornado sighted during violent wind storm near Waldo.
20. August 22.....	1 p. m.....	Rice.....	SE	(1)	(1)	0	0	(3)	6 vortex clouds seen 4 miles east of Alden. None reached ground.
21. November 16.....	6 p. m.....	Anderson.....	(1)	15	500	0	0	2,500	Occurred 4 miles west of Bush City.
KENTUCKY									
1. March 16.....	5:40-7:20 p. m., C. W. T.	Muhlenberg, Grayson, Nelson, Hardin.	NE	42	100-300	24	108	312,000	Path indefinite, irregular, broken, patchy; widened to about 1 1/4 miles at Hardin County line and extended only a short distance into Hardin County.
LOUISIANA									
1. June 10.....	10:15 a. m.....	Aroyalles.....	NE	(1)	100	0	0	500	
2. December 22.....	5:45 a. m.....	Pointe Coupee.....	NE	(1)	100	2	4	7,500	Two homes and outbuildings demolished.
MAINE									
(None reported)									
MARYLAND									
1. August 17.....	11 a. m.....	Garrett.....	E	1	33-50	0	0	500	At McHenry.
2. August 17.....	11 a. m.....	Garrett.....	E	7	33-100	0	0	7,500	From 1 mile north of Deer Park to Swanton.
MASSACHUSETTS									
1. July 14.....	5:35 p. m.....	Bristol.....	(1)	1 1/2	50	0	0	3,000	Damaged 5 houses; toppled 30-foot silo; tipped over 9-foot well house (in Somerset, Massachusetts).
MICHIGAN									
(None reported)									
MINNESOTA									
1. April 27.....	3:10 p. m.....	Lac qui Parle, Big Stone and Traverse.	NNE	35	167	2	7	80,000	Country school demolished; roof of farm home lifted; number of barns, outbuildings wrecked; poles, wires down; trees uprooted; some livestock perished; growing crops damaged.
2. May 13.....	12:10 p. m.....	Brown, Redwood, and Renville.	NE	27	100	0	4	135,200	A number of houses destroyed; many barns, outbuildings, garages, silos, windmills demolished; brick chimney badly damaged; automobiles, farm machinery wrecked or damaged; many houses, barns unroofed, moved from their foundations or otherwise damaged; many trees uprooted; poles, wires down; much livestock and poultry perished.

See footnotes at end of table.

TABLE 5.—Tornadoes of 1942, arranged by States—Continued

State, number and date	Time	County	Direction of advance	Length of path	Width of path	Killed	Injured	Property losses	Remarks
MINNESOTA—con.				Miles	Yards	Number	Number	Dollars	
3. May 13.....	2:30 p. m.....	Hennepin, Wright, and Anoka.	NE	6	67	0	0	20,500	A house and a number of barns and outbuildings were wrecked; several houses damaged; many trees uprooted.
*4. May 30.....	6:30 p. m., C. W. T.	Jackson.....	ENE			0	0	15,000	Serious damage occurred on 3 farms, a continuation of Iowa No. 1 storm.
5. June 11.....	2:45 p. m.....	Traverse.....	NE	8	100	0	0	1,200	Some structural damage; trees uprooted.
6. June 28.....	8 p. m., C. W. T.....	Houston.....	ENE	10	33	0	0	10,000	A number of farm buildings wrecked or damaged; trees uprooted.
MISSISSIPPI									
1. February 6.....	2 a. m.....	Lee.....	NE	3	400-800	1	27	75,000	Touched at intervals as it traveled a path of approximately 90 miles, from Itta Bena, Leffore County, to Baldwyn, Lee County. Greatest destruction at Itta Bena, Greenwood (vicinity of), Grenada, O'Tuckalofa, and Baldwyn. Little crop damage, as planting just begun.
2. March 16.....	4 p. m.....	Leffore, Carroll, Grenada, Yalobusha, Lafayette, Pontotoc, Union, Lee.	NE NNE for Yalobusha	90	150-200	65	465	625,000	
3. March 16.....	4:25 p. m.....	Pontotoc, Lee, Prentiss, Tishomingo.	NE	45	300	5	35	750,000	Moved from vicinity of Pontotoc to Tishomingo County, passing through the town of Baldwyn about 40 minutes after tornado No. 2 (above), and causing considerably greater damage at that place. (Total property damage at Baldwyn from both storms estimated at \$1,000,000.) Little crop damage, as planting just begun.
4. March 16.....	4:30 p. m.....	Marshall, Benton.....	NE	6	400	5	25	(⁴)	Ten small homes and outbuildings demolished, 25 others damaged.
5. December 26.....	11:20 a. m.....	Simpson.....	NE	(¹)	200	0	5	100,000	
MISSOURI									
1. March 13.....	7-7:30 p. m.....	New Madrid.....	SE	(¹)	(¹)	0	0	1,500	Small, local, 1 mile north of Morehouse.
2. April 27.....	1-2 p. m.....	Johnson.....	NE	(¹)	3	0	0	(¹)	Damaged homes, barns, small outbuildings, and trees.
3. April 30.....	11:45 p. m.....	Greene and Webster.....	NE	2	500	1	0	2,500	Apparently 2 separate storms but occurring at same time.
4. May 13.....	3:07 p. m.....	Boone.....	ENE	2	50	0	0	5,000	Struck about 4 miles NE of Columbia.
5. June 20.....	3:20 a. m.....	Holt.....	(¹)	(¹)	(¹)	0	0	(¹)	Occurred at Oregon.
6. June 20.....	3:40 a. m.....	DeKalb.....	NE	8	1	0	2	(¹)	Struck at Amity.
7. October 29.....	6:50 p. m.....	Nodaway.....	NE	2	220	0	8	15,000	Struck 4 miles west of Conception Junction.
8. October 29.....	11:30 p. m.....	Howell.....	NE	(¹)	4-5	0	0	7,000	Struck at Willow Springs, first south and second north. (Injuries and damage include both storms.)
9. October 30.....	3 a. m.....	Howell.....	NE	(¹)	4-5	2	0		
MONTANA									
1. August 27.....	3:30 p. m., MWT.....	Meagher.....	NE	3-4	1/2	0	0	(⁴)	Damage limited to strip of timber and fence.
NEBRASKA									
1. April 29.....	Afternoon.....	Lincoln.....	NE	2	400	0	0	5,000	Several farm buildings damaged.
2. April 29.....	10 p. m.....	Boyd.....	NE	10	400	0	0	28,000	
3. May 11.....	5-6 p. m.....	York.....	SW	1	100	0	0	10,000	Attended by heavy hail.
4. May 12.....	6-8 p. m.....	Custer.....	NE	40	400	0	3	50,000	Attended by heavy hail.
5. May 12.....	8-11 p. m.....	Antelope, Pierce, Knox, Holt.....	NE	60	500	6	(¹)	80,000	Several persons injured. Many farm buildings wrecked.
6. May 12.....	4-5 p. m.....	Perkins.....	E	10	200	0	3	30,000	Attended by heavy hail.
7. June 27.....	6 p. m.....	Knox.....	(¹)	1	300	0	1	10,000	
NEVADA									
(None reported)									
NEW HAMPSHIRE									
(None reported)									
NEW JERSEY									
(None reported)									
NEW MEXICO									
(None reported)									
NEW YORK									
(None reported)									
NORTH CAROLINA									
1. December 1.....	9-9:30 p. m.....	Columbus.....	ENE	16	300	1	30	45,000	
NORTH DAKOTA (None reported)									
OHIO									
1. May 6.....	Evening.....	Highland.....						(¹)	Three barns completely destroyed. Streets obstructed by fallen trees which crashed into windows and otherwise damaged buildings.
2. September 23.....		Shelby.....						(¹)	Caused partial destruction to buildings on 3 different farms besides uprooting many trees and riddling the standing corn and corn shocks in its path.

See footnotes at end of table.

TABLE 5.—Tornadoes of 1942, arranged by States—Continued

State, number and date	Time	County	Direction of advance	Length of path	Width of path	Killed	Injured	Property losses	Remarks
OKLAHOMA									
1. January 30	12:50 p. m.	Le Flore	NE	Miles 1	Yards 100	Number 0	Number 1	Dollars 2,000	Funnel of tornado cloud did not touch ground but remained 25 to 50 feet aloft; homes, business buildings, telephone and telegraph lines damaged.
2. February 6	6 p. m.	Le Flore	E	6	100	1	5	10,000	Many homes and other buildings damaged.
3. March 15	11:10 p. m.	Canadian, Kingfisher	NE	12	300-1,400	0	1	30,300	Struck Okarche and moved northeast into Kingfisher County. Some damage to buildings in Okarche but the greater portion of the loss occurred in the rural area northeast of that city. Many barns and other farm buildings were either destroyed or badly damaged. Several hundred fowls, mostly chickens, were killed and several farm animals also lost their lives. Power and telephone lines were blown down in Okarche.
4. April 27	3:45 p. m.	Rogers and Mayes	ENE	20	440	52	181	2,000,000	One of the most disastrous tornadoes ever to strike Oklahoma originated a few miles south of Claremore and the center passed directly over the main portion of the city of Pryor, including the principal business section. Dozens of frame buildings and several brick and stone buildings destroyed; communication and power lines wiped out completely for a distance of 15 miles around Pryor. Torrential rains accompanied the storm.
5. April 27	3:45 p. m.	Rogers	ENE	15	(³)	0	0	(¹)	Buildings and other property destroyed in rural districts. Damage not in excess of a few thousand dollars.
6. April 30	5:15 a. m.	Custer	NE	3	30	0	0	9,000	Airplane hangar destroyed and 6 planes damaged at Clinton.
7. April 30	5:30 a. m.	Kiowa	NE	$\frac{1}{2}$	15	0	0	1,000	Storm traveled zigzag path at about 35 miles per hour. Farm buildings destroyed; all homes in 12 square blocks in Pawhuska destroyed. Main storm accompanied by secondary twisters.
8. May 2	2:30 p. m. to late afternoon.	Noble, Pawnee, Nowata, Osage, Washington.	NE	100	66-1,400	3	32	30,000	
9. May 2	3:15 p. m.	Payne, Creek, and Tulsa	NE	55	100-150	7	(¹)	65,000	Buildings and power lines destroyed. Storm accompanied by secondary twisters.
10. May 2	3:30 p. m.	Pottawatomie, Lincoln, Okfuskee, and Creek.	ENE	60	900	16	(¹)	e 75,000 41,000	Many homes and other buildings were demolished, and considerable additional property was badly damaged. Several towns, including Paden, Boley, Childsville and Welty, felt the disastrous effect of this tornado; greatest destruction and loss of life occurred in the Negro district just north of Childsville; several farm animals as well as many fowl were killed.
11. May 17	3:45 p. m.	Carter	E	25	(¹)	0	1	50,000	Buildings and oil derricks wrecked. Airplanes at Ardmore damaged. Storm passed through Clemscot, Woodford, Ardmore Airport, and Springer.
12. May 31	3:18 p. m.	Texas	SW	$1\frac{1}{2}$	1,320	0	0	65,000	Tornado was accompanied by heavy hail larger than hen eggs. Several dwellings and 4 business houses were demolished; the power plant at Guymon destroyed and communication lines were severed.
13. June 12	8:41 p. m.	Oklahoma	SE, SW, E, N and W.	$2\frac{1}{4}$	500	35	29	200,000	One of the worst tornadoes in Oklahoma history, from the standpoint of the number of fatalities, occurred in the southwestern suburbs of Oklahoma City. 73 houses demolished, 31 others damaged; numerous out-buildings destroyed or damaged, and numerous automobiles destroyed.
14. October 30	9 p. m.	Lincoln	(¹)	$5\frac{1}{2}$	8	0	0	400	Few dwellings and barns damaged slightly in rural section.
15. December 26	11 a. m.	Okfuskee	NE	2	100	0	1	1,000	Funnel-shaped cloud visible and well defined.
OREGON									
(None reported)									
PENNSYLVANIA									
(None reported)									
RHODE ISLAND									
(None reported)									
SOUTH CAROLINA									
1. February 6	3 p. m.	Aiken	NE	(²)	(³)	0	0	200	Damage to some outhouses northwest of Aiken.
2. February 6	3:30 p. m.	Edgefield	NE	3	200	0	4	15,000	Many outhouses demolished, roofs damaged, trees blown down $\frac{1}{2}$ mile east of Edgefield.

See footnotes at end of table.

TABLE 5.—*Tornadoes of 1942, arranged by States—Continued*

State, number and date	Time	County	Direction of advance	Length of path	Width of path	Killed	Injured	Property losses	Remarks
SOUTH CAROLINA—con.				<i>Miles</i>	<i>Yards</i>	<i>Number</i>	<i>Number</i>	<i>Dollars</i>	
3. March 17.....	6:30 p. m.....	Orangeburg.....	NE	10	6 1/4	0	7	25,000	Some homes and outbuildings demolished near Norway.
4. May 15.....	Late afternoon.....	Kershaw.....	(1)	(2)	(3)	0	0	2,000	A church was demolished and several nearby structures were damaged.
5. December 1.....	7:06 p. m.....	Newberry.....	NE	1/2	250	0	4	25,000	Buildings, roofs, poles, wires, were wrecked and power-line towers badly twisted 1 mile north of Newberry.
6. December 1.....	Early evening.....	Newberry.....	NE	(2)	(3)	0	0	1,000	Some property damage at Longshore, 10 miles northwest of Newberry.
7. December 1.....	Early evening.....	Kershaw.....	(1)	(2)	(3)	1	2	5,000	5 dwelling houses were demolished, others damaged, in Clyburn section.
SOUTH DAKOTA									
1. April 29.....	7 p. m.....	Marshall.....	(1)	(1)	(3)	1	4	(1)	Almost all buildings on 1 farm demolished; on 2 others damaged. Small tornado.
2. April 30.....	7:45 p. m.....	Hamlin.....	(1)	(1)	(3)	1	0	(1)	Small tornado. Several buildings on edge of Castlewood wrecked.
3. May 27.....	6:15 p. m.....	Hamlin.....	NE	200	100	0	0	(1)	Tornado funnel dipped down several times, destroying a feed barn, stock pavilion, farm elevator and uprooting 27 trees.
4. June 2.....	6:30 p. m.....	Meade.....	SE	20	6 4	0	0	{ c 500 5,000	A small tornado caused some property damage in vicinity of Faith.
TENNESSEE									
1. January 1.....	1 p. m.....	Montgomery, Robertson.....	E	10	100	1	1	25,000	Farm buildings and trees destroyed.
*2. February 6.....	4 a. m.....	Giles.....	NE	6	440	0	1	50,000	Damage to houses, buildings, and trees near Ardmore.
3. February 6.....	7:05 a. m.....	Bradley.....	NE	1 1/2	100	0	2	25,000	Damage to houses, buildings, and trees near Cleveland.
4. March 11.....	5:45 p. m.....	Henry and Montgomery.....	E	55	20	0	2	10,000	Several persons injured and a number of houses were damaged at Paris, Henry County; houses and trees wrecked at Southside, Montgomery County.
5. March 11.....	6:20 p. m.....	Robertson.....	E	8	100	2	10	15,000	Wrecked barns, trees, and small dwellings near Adams and Cedar Hill.
6. March 16.....	(1).....	Hardeman.....	NE	(4)	(3)	0	12	100,000	Damaged buildings of the Western State Hospital.
7. March 16.....	4:30-5:30 p. m.....	Carroll, Henry, Stewart.....	NE	55	880	5	28	100,000	It is possible that No. 7 was continuation of No. 6.
March 16.....	4:30-6 p. m.....	{Chester, Henderson, Decatur, Humphreys.}	NE	100	880	17	200	500,000	Property damage.
8. March 16.....	7 p. m.....	{Humphreys.}	NE	9	880	1	20	100,000	Property damage.
9. March 16.....	7 p. m.....	Cheatham, Robertson.....	NE	20	150	2	4	150,000	Property damage.
10. March 16.....	8-8:30 p. m.....	Giles.....	NE	20	150	2	4	150,000	Property damage.
TEXAS									
1. April 6.....	2 p. m.....	Wise.....	NW	(1)	(1)	0	0	(4)	Several buildings demolished.
2. April 28.....	9:30 p. m.....	Foard.....	SE	3	1,760	11	250	1,500,000	Damage to property in an area 1 x 3 miles, principally within the city of Crowell.
3. May 12.....	4 a. m.....	San Jacinto.....	SE	(1)	1,760	0	0	25,000	Struck Shepherd, destroyed some buildings and damaged roofs and windows. Accompanied by heavy hail. Some livestock killed.
4. May 29.....	6 p. m.....	Briscoe.....	SW	3	1,760	0	0	10,000	Occurred over an area about 1 x 3 miles near Silverton, demolishing buildings on 1 farm, damaging buildings on other farms, and killing livestock.
5. May 29.....	9 p. m.....	Briscoe.....	NW	6	1,760	0	0	(4)	Destroyed 1 house, wrecked barns.
6. August 22.....	1 a. m.....	Shelby.....	N	2	300	0	16	c 5,000 50,500	
7. December 5.....	10:40 a. m.....	Jefferson.....	NE	10	150	0	0	25,000	Damage is total for storms 7 and 8, which occurred in same area, near Port Arthur. 1 home was demolished and several others damaged considerably. Occurred at Cookville. 3 houses were completely destroyed and a number of other houses and were structures unroofed.
8. December 5.....	11:30 a. m.....	Jefferson.....	SW	10	150	0	0	(4)	Storms 10 and 11 were no doubt the same tornado.
9. December 26.....	4:45 p. m.....	Titus.....	NE	10	100	0	(1)	(4)	Much property destroyed.
10. December 26.....	8 p. m.....	Nacogdoches.....	NE	(1)	1,320	0	0	4,000	
11. December 26.....	8:17 p. m.....	Nacogdoches.....	NE	10	100	5	(1)	100,000	
UTAH									
(None reported)									
VERMONT									
(None reported)									
VIRGINIA									
1. September 27.....	3:30 p. m.....	Fluvanna.....	NE	(1)	500	0	0	{ 3,500 c 1,500	Slight damage to buildings, livestock, and crops. Section thinly populated.
WASHINGTON									
(None reported)									
WEST INDIES									
(None reported)									
WEST VIRGINIA									
(None reported)									

See footnotes at end of table.

TABLE 5.—Tornadoes of 1942, arranged by States—Continued

State, number and date	Time	County	Direction of advance	Length of path	Width of path	Killed	Injured	Property losses	Remarks
WISCONSIN									
1. April 4.....	5 p. m.....	Chippewa.....	E	Miles 18	Yards 70	Number 0	Number 0	Dollars 60,000	Damage to farm buildings and livestock.
2. May 13.....	3 p. m.....	Polk.....	NE	12	30	0	2	50,000	2 homes and 12 barns were demolished, livestock injured, and trees uprooted.
3. May 13.....	3 p. m.....	Jackson and Clark.....	NE	35	100	1	1	100,000	Many homes and business places damaged at Black River Falls; number of barns demolished in the storm's path to Loyal in Clark County.
4. May 13.....	3:45 p. m.....	Langlade.....	NE	10	(1)	0	0	15,000	2 closely associated tornadoes near Antigo damaged 2 farm homes and demolished a number of barns and smaller buildings.
5. June 11.....	Afternoon.....	Douglas.....	(1)	(1)	(1)	0	0	500	Barn damaged.
6. July 28.....	4 p. m.....	Winnebago.....	E	1½	(1)	0	1	10,000	Trees uprooted and buildings damaged.
7. July 28.....	4 p. m.....	Waushara.....	NE	(1)	30	0	0	° 200 3,000	
8. September 16.....	6 p. m.....	Chippewa.....	NE	1½	50	0	0	(3)	Minor damage to trees and crops.
9. September 17.....	11:30 p. m.....	Chippewa.....	E	1½	100	0	0	20,000	Damaged several houses and barns.
WYOMING									
1. June 25.....	7 p. m.....	Platte.....	NW	6	(1)	2	4	(4)	Crop loss said to be about ¼; property damage ran into many thousands of dollars.

* Denotes a State-boundary-crossing disturbance.

° Damage to crops.

(1) Datum unobtainable.

2 Short.

3 Narrow.

4 No estimate of damage obtained.

5 Amount of damage described as small, no definite monetary estimate.

6 Miles instead of yards.

TABLE 6.—Monthly and annual tornado frequency, by States, 1942

State or section	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Alabama.....	3	3	1									1	8
Arizona.....													0
Arkansas.....		5								2			7
California.....													0
Colorado.....				1		2							3
Connecticut.....									1				1
Delaware.....													0
District of Columbia.....													0
Florida.....	1												1
Georgia.....		3										2	5
Idaho.....													0
Illinois.....			3		1	1	3						8
Indiana.....			3			3							6
Iowa.....					1	13	3	1					18
Kansas.....				4	8	4	1	3					21
Kentucky.....			1								1		1
Louisiana.....						1						1	2
Maine.....													0
Maryland.....								2					2
Massachusetts.....							1						1
Michigan.....													0
Minnesota.....				1	3	2							6
Mississippi.....		1	3									1	5
Missouri.....			1	2	1					3			9
Montana.....													0
Nebraska.....				2	4	2		1					7
Nevada.....													0
New Hampshire.....													0
New Jersey.....													0
New Mexico.....													0
New York.....													0
North Carolina.....												1	1
North Dakota.....													0
Ohio.....					1				1				2
Oklahoma.....	1	1	1	4	5	1				1		1	15
Oregon.....													0
Pennsylvania.....													0
Rhode Island.....													0
South Carolina.....		2	1		1							3	7
South Dakota.....				2	1	1							4
Tennessee.....	1	2	7										10
Texas.....				2	3			1				5	11
Utah.....													0
Vermont.....													0
Virginia.....									1				1
Washington.....													0
West Virginia.....													0
Wisconsin.....				1	3	1	2		2				9
Wyoming.....						1							1
Total ¹	6	17	21	19	32	33	10	8	5	6	1	15	173
Total ²	6	16	21	19	31	33	9	8	5	6	1	15	170

¹ No tornadoes occurred in the Territories of Alaska, Hawaii, or the West Indies.² Monthly and annual frequencies corrected for State-boundary-crossing tornadoes.

TABLE 7.—Deaths and injuries incurred by tornadoes during 1942

State or section	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Annual	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
Alabama.....	1	23	3	48	2	6																	0	10	6	87
Arizona.....																									0	0
Arkansas.....			4	67															29	100					33	167
California.....																									0	0
Colorado.....							4	0																	4	0
District of Columbia.....																									0	0
Florida.....	0	5																							0	5
Georgia.....			13	77																			0	2	13	79
Idaho.....																									0	0
Illinois.....					20	122			1	12	0	2	0	2											21	138
Indiana.....					2	39					4	(1)	4	0	2										6	139
Iowa.....											1	13	1	13											1	13
Kansas.....							15	0	3	4	4	0													22	4
Kentucky.....					24	108																			24	108
Louisiana.....																						2	4		2	4
Maryland and Delaware.....																									0	0
Michigan.....																									0	0
Minnesota.....							2	7	0	4															2	11
Mississippi.....			1	27	75	525																	0	5	76	557
Missouri.....							1	0			0	2							2	8					3	10
Montana.....																									0	0
Nebraska.....									6	6	0	1													6	7
Nevada.....																									0	0
New England.....																									0	0
New Jersey.....																									0	0
New Mexico.....																									0	0
New York.....																									0	0
North Carolina.....																							1	30	1	30
North Dakota.....																									0	0
Ohio.....																									0	0
Oklahoma.....	0	1	1	5	0	1	52	181	26	33	35	29											0	1	114	251
Oregon.....																									0	0
Pennsylvania.....																									0	0
South Carolina.....			0	4	0	7																	1	6	1	17
South Dakota.....							2	4																	2	4
Tennessee.....	1	1	0	3	27	276																			28	280
Texas.....							11	250							0	16							5	0	16	266
Utah.....																									0	0
Virginia.....																									0	0
Washington.....																									0	0
West Virginia.....																									0	0
Wisconsin.....									1	3			0	1											1	4
Wyoming.....											2	4													2	4
Total.....	2	30	22	231	150	1,084	87	442	37	62	46	51	0	3	0	16	0	0	31	108	0	0	9	58	384	2,085
Sections outside continental U. S.:																										
Alaska.....																									0	0
Hawaii.....																									0	0
West Indies.....																									0	0

¹ Deaths or injuries reported as "several."

NOTE.—Entries are made only when deaths or injuries are reported.

Table 8 that follows shows the destruction of 1942 tornadoes expressed in dollars, by months, for the various States or sections. Oklahoma suffered the greatest annual loss with \$2,579,700, the greatest por-

tion of which occurred during April. The second greatest loss was \$2,265,000 in the State of Arkansas; the third greatest loss occurred in Illinois, amounting to \$1,831,500.

TABLE 8.—*Tornado destruction in dollars, by months, during 1942*

State or section	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Crop	Property	Total
Alabama	47,000	32,000	¹ 34,500									7,000	(¹)	120,500	² 120,500
Arizona															0
Arkansas		1,750,000								515,000				2,265,000	² 2,265,000
California															0
Colorado				³ 50,000		³ 300							(³)	³ 50,300	³ 50,300
District of Columbia															0
Delaware															0
Florida	(⁴)													(⁴)	(⁴)
Georgia		350,000										{ c1,000 p56,000	1,000	406,000	407,000
Idaho															0
Illinois			825,000		285,000	50,000	{ c330,000 p341,500						330,000	1,501,500	1,831,500
Indiana			701,000			507,500								1,208,500	1,208,500
Iowa					50,000	363,000	54,000	3,500					(¹)	470,500	470,500
Kansas				104,000	¹ 536,000	124,500	150	(⁴)			2,500			⁵ 767,150	⁵ 767,150
Kentucky			312,000											312,000	312,000
Louisiana						500						7,500		8,000	8,000
Maryland								8,000						8,000	8,000
Michigan															0
Minnesota				³ 80,000	³ 170,700	³ 11,200							(³)	261,900	² 261,900
Mississippi		75,000	² 1,375,000									100,000	(⁶)	² 1,550,000	² 1,550,000
Missouri			1,500	² 2,500	5,000	(⁶)				22,000			(⁶)	² 31,000	² 31,000
Montana														(⁶)	(⁶)
Nebraska				33,000	170,000	10,000								213,000	213,000
Nevada															0
New England							3,000		(⁶)					² 3,000	² 3,000
New Jersey															0
New Mexico															0
New York															0
North Carolina												45,000		45,000	45,000
North Dakota															0
Ohio						(⁶)			(⁶)				(⁶)	(⁶)	(⁶)
Oklahoma	2,000	10,000	30,300	2,010,000	{ c75,000 p251,000	200,000				400		1,000	75,000	2,504,700	2,579,700
Oregon															0
Pennsylvania															0
South Carolina		15,200	25,000		2,000							31,000		73,200	73,200
South Dakota				(⁶)	(⁶)	{ c500 p5,000							² 500	² 5,000	² 5,500
Tennessee	25,000	75,000	{ c10,000 p965,000										10,000	1,065,000	1,075,000
Texas				² 1,500,000	² 35,000			{ c5,000 p50,500				129,000	5,000	² 1,714,500	² 1,719,500
Utah															0
Virginia									{ c1,500 p3,500				1,500	3,500	5,000
Washington															0
West Virginia															0
Wisconsin				60,000	165,000	500	{ c200 p13,000		³ 20,000				⁵ 200	258,500	⁵ 258,700
Wyoming						(¹) (⁷)							(¹)	(⁷)	(⁷)
Total	³ 74,000	2,307,200	{ ² c10,000 ² p4,269,300	² 3,839,500	{ ² c75,000 ² p1,669,700	⁵ c500 ² p1,272,500	c330,200 p411,650	c5,000 ² p62,000	⁵ c1,500 ² p23,500	537,400	2,500	{ c1,000 p376,500	² 423,200	² 14,845,750	² 15,268,950

¹ Crop damage, no estimate.

² Additional losses incurred; no estimate obtained.

³ Crop damage reported to be small.

⁴ Damage small.

⁵ Additional losses incurred; amount reported to be small.

⁶ Damage incurred; no estimate obtained.

⁷ Total losses reported to be several thousands of dollars.

⁸ Crop.

⁹ Property.

SUMMARY FOR PAST YEARS

Table 9 gives the total number of tornadoes, deaths resulting from such storms, and the estimated property losses for the years 1916-42.

TABLE 9.—*Deaths and property losses caused by tornadoes, 1916-42*

Year	Reported	Aggregate loss of life	Aggregate reported property losses	Year	Reported	Aggregate loss of life	Aggregate reported property losses
1916	86	140	\$2,511,500	1931	94	36	\$3,215,400
1917	121	508	15,007,700	1932	152	394	8,988,525
1918	81	134	7,631,200	1933	260	362	16,190,640
1919	65	205	6,861,500	1934	147	47	4,424,950
1920	87	498	15,205,000	1935	182	70	4,732,930
1921	106	202	5,406,300	1936	159	552	26,228,550
1922	108	133	6,630,000	1937	148	29	3,155,875
1923	100	109	2,958,750	1938	220	183	8,796,257
1924	130	376	26,120,850	1939	154	87	5,891,930
1925	119	794	24,023,900	1940	128	65	6,015,320
1926	111	144	4,318,950	1941	117	53	4,492,650
1927	164	540	43,445,650	1942	170	384	15,298,950
1928	203	92	13,235,600				
1929	197	274	10,049,400	Total	3,801	6,590	303,097,377
1930	192	179	12,289,100	Average	141	244	11,225,829

HAIL, 1942

Information on the occurrence of destructive hailstorms was assembled by officials in charge of the various Weather Bureau section centers. Special efforts were made to determine the dollar amounts of losses caused by hailstorms during the average crop season, April to September, and to segregate crop losses from other types of property losses.

The aggregate of the estimated losses caused by hailstorms reported in the various States for 1942 is \$17,921,063, of which \$16,407,588, or 92 percent of the total, is crop loss, the balance being damage to other kinds of property. The estimates are too low because, aside from the fact that there is no generally recognized basis for hail loss estimation, the amount of damage was in some cases reported in such terms as "considerable," "small," or "several thousand dollars."

The difficulties inherent in the task of fairly determining the amounts of losses caused by hailstorms in any one State, complicated as the problem is by reason of the fact that strong winds and heavy rains usually accompany the hail, must be apparent to all. It may be assumed, however, that the laws of statistical regu-

larity operate to make the estimated loss amounts given in the Yearbooks maintain a reasonably constant proportion to the actual losses.

Crop destruction by hail was reported in all months of 1942 except January, March, November, and December, and other property destruction was reported in all months except October and November. Delaware, the District of Columbia, Kentucky, Tennessee, and the New England States were free from hailstorms during the year.

States in which over \$1,000,000 hail damage was suffered are Iowa, \$4,297,133; Kansas, \$3,168,630; Montana, \$4,235,160; and Texas, \$1,465,500. Together these amounts equal \$13,166,423, or 73 percent of the total hailstorm damage reported for the country in 1942, mostly concentrated in the months of June and July. The year's hail damage to crops in the four States named was \$12,728,413, or 97 percent of the total damage from hail in these States; and 78 percent of the hail damage to crops in the entire country.

Alaska, Hawaii, and the West Indies reported no hail during 1942.

TABLE 10.—Losses from hailstorms during 1942

[Dollars]

State or section	January		February		March		April		May		June		July	
	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage
Alabama.....	2,500													
Arizona.....								(6)						
Arkansas.....			(6)	1,000					(3)	75,000				
California.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	75,000	(1)	(1)		
Colorado.....									100,100	2 530,000	2 55,000	500		
Delaware.....														
District of Columbia.....														
Florida.....		(10)								5,000				
Georgia.....			5,000											
Idaho.....									(1)	(4)			(4)	(3)
Illinois.....					5,000				178,000		10,000	5,000	22,000	
Indiana.....					1,000				500	500	200	500	500	
Iowa.....								41,841	10,000	167,366	75,000	2,175,749	28,000	1,255,240
Kansas.....							10,000		2,350	506,190	51,000	2,574,090	0	20,000
Kentucky.....														
Louisiana.....										25,000				
Maryland.....										5,000			(4)	10,000
Michigan.....										6,000	(4)	10,000	(4)	
Minnesota.....							10,000	(4)	77,400	33,500	23,000	96,000	9 6,000	95,000
Mississippi.....										(3)				
Missouri.....					(4)		(3)	(4)	6,500	1,000	5,000	50,000		
Montana.....									60	(3)	100	486,000	(3)	3,557,000
Nebraska.....									10,000	110,500	6,000	100,000	1,000	56,500
Nevada.....			(1)		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
New England.....														2,000
New Jersey.....											18,600	43,430	(2)	62,000
New Mexico.....							(3)	(1)			(4)	32,000		
New York.....									5,865	263,000	1,225	209,000	44,175	139,655
North Carolina.....								240				20,000		400,000
North Dakota.....												(4)		
Ohio.....									(3)			(4)		
Oklahoma.....					203,000		191,500	38,250	20,000	45,000	2,000	(4)		5,000
Oregon.....									(3)	(3)		(1)	(1)	200,000
Pennsylvania.....					1,000				(3)	35,000			(3)	5,000
South Carolina.....									6,000	5,000	9,000	13,000	(3)	30,000
South Dakota.....														
Tennessee.....														
Texas.....							133,000	358,000	2 123,500	2 66,000	(6)	750,000		35,000
Utah.....											(1)	(1)	(1)	(1)
Virginia.....												5,000		25,000
Washington.....										88,000			(4)	10,000
West Virginia.....														(4)
Wisconsin.....									(4)		30,000	2 5,000		
Wyoming.....									(1)	(4)	(1)	(1)	(1)	(1)
Total.....	2,500	(1)	5,000	1,000	210,000	(1)	344,500	438,331	540,275	1,968,056	276,125	6,579,769	84,675	5,957,895

See footnotes at end of table.

TABLE 10.—Losses from hailstorms during 1942—Continued

[Dollars]

State or section	August		September		October		November		December		Crop season*		Year		Total
	Prop- erty damage	Crop damage	Prop- erty damage	Crop damage	Prop- erty damage	Crop damage	Prop- erty damage	Crop damage	Prop- erty damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	
Alabama.....													2,500		2,500
Arizona.....												(6)		(6)	(6)
Arkansas.....												\$75,000	(6)	\$76,000	2 76,000
California.....	(1)	(1)	(1)	(1)			(1)	(1)	(1)	(1)	(1)	(3)	(1)	(3)	(3)
Colorado.....											\$155,100	2 530,500	155,100	2 530,500	2 685,600
Delaware.....															
District of Columbia.....															
Florida.....															
Georgia.....												5,000		\$ 5,000	\$ 5,000
Idaho.....													5,000		5,000
Illinois.....		\$50,000									(4)	(3)	(4)	(3)	(3)
Indiana.....											183,000	82,000	188,000	82,000	270,000
Iowa.....											1,200	1,000		1,000	3,200
Kansas.....	(4)	418,413	\$5,000			\$125,524					113,000	4,058,609	113,000	4,184,133	4,297,133
Kentucky.....		(4)									\$ 68,350	\$ 3,100,280	\$ 68,350	\$ 3,100,280	\$ 3,168,630
Louisiana.....															
Maryland.....												25,000		25,000	25,000
Michigan.....	(4)	6,000	(4)	\$500							(4)	15,000	(4)	15,000	15,000
Minnesota.....		5,000	15,000	20,000							(4)	50,500	(4)	50,500	50,500
Mississippi.....											\$ 131,400	\$ 249,500	\$ 131,400	\$ 249,500	\$ 380,900
Missouri.....											(3)		(3)		(3)
Montana.....	(4)	2 162,000		30,000							\$ 11,500	\$ 51,000	\$ 11,500	\$ 51,000	\$ 62,500
Nebraska.....	\$28,000	149,000									\$ 160	\$ 4,235,000	\$ 160	\$ 4,235,000	\$ 4,235,160
Nevada.....	(1)	(1)									45,000	416,000	45,000	416,000	461,000
New England.....							(1)		(1)		(1)	(1)	(1)	(1)	(1)
New Jersey.....															
New Mexico.....	1,300	(4)		(3)							2,000		2,000		2,000
New York.....											\$ 19,900	\$ 105,430	\$ 19,900	\$ 105,430	\$ 125,330
North Carolina.....		2,100									(4)	32,000	(4)	32,000	\$ 32,000
North Dakota.....		450,000		30,000							51,265	613,995	51,265	613,995	665,260
Ohio.....											900,000		900,000		900,000
Oklahoma.....	100	5,500				7,500					(3)	(4)	(3)	(4)	(3)
Oregon.....											\$ 213,600	\$ 93,750	\$ 416,600	\$ 101,250	\$ 517,850
Pennsylvania.....	(1)	(1)			(1)						(3)	(3)	(3)	(3)	(3)
South Carolina.....		1,000									(3)	\$ 235,000	(3)	\$ 235,000	\$ 235,000
South Dakota.....	(3)	(3)										7,000	1,000	7,000	8,000
Tennessee.....											\$ 15,000	\$ 48,000	\$ 15,000	\$ 48,000	\$ 63,000
Texas.....									(6)		\$ 256,500	\$ 1,209,000	\$ 256,500	\$ 1,209,000	\$ 1,465,500
Utah.....	(1)	(1)									(1)		(1)		(1)
Virginia.....												30,000		30,000	30,000
Washington.....												11 98,000		11 98,000	11 98,000
West Virginia.....											(4)	(4)	(4)	(4)	(4)
Wisconsin.....			1,000								\$ 31,000	\$ 5,000	\$ 31,000	\$ 5,000	\$ 36,000
Wyoming.....											(1)	(4)	(1)	(4)	(4)
Total.....	\$ 29,400	\$ 1,249,013	\$ 21,000	\$ 80,500	(1)	\$ 133,024	(1)	0	(4)	0	\$ 1,295,975	\$ 16,273,564	\$ 1,513,475	\$ 16,407,588	\$ 17,921,063

*Apr. 1 to Sept. 1, inclusive.

†Moderate to heavy hail at various places, no damage reported.

‡Additional losses occurred, no accurate estimate obtained.

§Considerable losses occurred, no accurate estimate of damage available.

||Losses incurred reported to be slight.

¶Damage estimated to be several thousand dollars.

¶Losses occurred; no estimate.

§Estimated from reports of insurance companies.

||Additional losses reported to be small.

¶Additional damage reported to be considerable.

||Considerable damage from attendant heavy rains.

¶Considerable damage from resultant floods.

WINDSTORMS, 1942

The year 1942 is the twenty-seventh consecutive year for which Weather Bureau Section Directors assembled statistics of windstorms, other than tornadoes, throughout the country. Property damage reported was divided into two classes—crops and other kinds of property. The data are shown in table 11. The number of persons killed or injured by windstorms was also reported and the data are shown in table 12.

Total damage to crops and other property caused by non-tornadic winds in 1942 was estimated at \$32,691,640, or 52 percent higher than the average for the 25 years, 1916 to 1941, excluding 1938 (1938 was omitted from this computation because inclusion of the tremendous sum of losses occasioned by the hurricane in the Northeast, in September of that year, would throw the arithmetic averages far out of line).

Of the total estimated windstorm losses, \$16,277,275, or nearly one-half, are classified as crop losses.

Windstorms were responsible for the loss of 69 lives during 1942, or about 34 percent of the average for the 25-year period.

Three adjoining western States were free from windstorms during the year; namely, Nevada, Utah, and Wyoming. In Oregon, Washington, and Idaho, and in the New England States, Delaware, Florida, Mississippi, and Tennessee, the losses were either small or unestimated. West Virginia losses were reported to be several thousand dollars.

Texas was the greatest sufferer, with crop and other property losses of \$27,222,650 and a death list of 10. Minnesota had crop and other property losses amounting to \$2,627,140, with a death list of 5; Kansas and Michigan had losses amounting to \$714,500 and \$508,000, respectively. Estimated losses in most of the other States ranged from a few to several thousand dollars and 6 States reported losses ranging from \$121,500 to \$261,350.

TABLE 11.—Losses from windstorms, other than tornadoes, during 1942

[Dollars]

State or section	January		February		March		April		May		June		July	
	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage
Alabama			6,000											
Arizona														
Arkansas														
California													(1)	
Colorado							11,000		(1)	100				
Delaware														
District of Columbia														
Florida								(2)						
Georgia			2,500		2,500				(3)	(3)		(3)		
Idaho														
Illinois					300		12,500		(3)	2,000			200	500
Indiana							35,000			3,000		1,800	5,000	
Iowa										4,600		80,150	11,500	31,000
Kansas										27,250	2,250	472,000	142,000	
Kentucky														
Louisiana	6,500		3,800				1,000				15,000	15,000		
Maryland											4,000		(1)	
Michigan													3,000	(1)
Minnesota							111,000	(1)	500,000	(3)	22,000		109,200	11,000
Mississippi									(1)	(1)	(1)	(1)		
Missouri			(8)		(3)		(3)		(1)	(1)	(8)	(8)	(3)	(3)
Montana									(3)	(3)	(3)	(3)	150	10,000
Nebraska							4 6,000		2,000		15,000	6,000	95,000	
Nevada														
New England	(3)		(3)										(3)	(3)
New Jersey													7 50,000	7 5,000
New Mexico							4 7,000	3,600					(1)	
New York					50,000						(8)	(3)	9 36,000	
North Carolina											1,000	(1)	36,000	
North Dakota							(10)		(10)		(1)		14,000	15,000
Ohio	(1)				(1)				1,000		(1)		(1)	
Oklahoma							3,500		5,000	10,000	9,700	(1)		
Oregon							(1)	(1)	4 65,000	(6)	(1)	(1)	10 150,000	(6)
Pennsylvania			(10)		(1)						(1)	(1)	46,350	(3)
South Carolina			10,000		2,500						7,000		(3)	(3)
South Dakota					100,000		(1)	(1)	1,500	(1)	(3)	(3)		
Tennessee											(1)	(1)		
Texas							25,000	4 5,000	11 100	(11)	1,200	(3)		
Utah														
Virginia					6,000				1,000		500		500	
Washington														
West Virginia													(3)	(3)
Wisconsin	(10)								2,400		2,000			
Wyoming														
Sections outside continental U. S.:														
Alaska														
Hawaii														
West Indies														
Total	4 6,500	0	4 22,300	0	4 161,300	0	4 212,000	4 8,600	4 678,000	4 12,250	4 631,350	4 215,000	4 520,900	4 72,500

State or section	August		September		October		November		December		Crop season*		Year		Total
	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	Property damage	Crop damage	
Alabama									5,000				11,000		11,000
Arizona	20,000									20,000			20,000		20,000
Arkansas					4 5,000	(1)			10,000				4 15,000	(1)	4 15,000
California	2,000									2,000			2,000		2,000
Colorado										11,100			11,100		11,100
Delaware									(1)	(1)			(1)		(1)
District of Columbia															
Florida											(3) (3)		(3) (3)		(3) (3)
Georgia									4 5,000				4 10,000		4 10,000
Idaho															
Illinois	1,000						300			(3)	(3)	500	(3)	500	16,800
Indiana	500		2,000							15,700			16,300		12,300
Iowa	14,500	1,500	4,800						5,500	12,300			12,300		240,550
Kansas	16,000		55,000							150,550		84,500	156,050		714,500
Kentucky	100,000	100,000								570,250	144,250		570,250	144,250	200,000
Louisiana	3,000	7,000								100,000	100,000		100,000	100,000	51,300
Maryland									(1)	19,000	22,000		29,300		2 4,000
Michigan			5,000	(3)						2 4,000			2 4,000		4 508,000
Minnesota			1,969,715	351,125						4 508,000	(2) (2)		4 508,000	(2) (2)	2 2,627,140
Mississippi										2,265,015	2 362,125		2,265,015	(1)	(1)
Missouri	(3)				(3)		(10)			(1)	(1)		(1)		(1)
Montana	4 1,900	4 3,000					(3)			4 10,000	(8)		4 10,000		4 10,000
Nebraska	6,000	4,000								4 2,050	4 13,000		4 2,050	4 13,000	4 15,050
Nevada										4 124,000	10,000		4 124,000	10,000	4 134,000
New England															
New Jersey			(6)	(3)					(3)	(6)	(3)		(6) (3)	(3)	7 55,000
New Mexico										7 50,000	7 5,000		7 50,000	7 5,000	4 10,600
New York										4 7,000	3,600		4 7,000	3,600	4 55,500
North Carolina	(1)	(1)	1,000	(6)					5,500	(6)			4 55,500	(6)	41,500
North Dakota	6,000	15,000		(1)					3,500	9 38,000			9 41,500		10 50,000
Ohio	(1)									10 20,000	30,000		10 20,000	30,000	2 1,000
Oklahoma	400	300								2 1,000			2 1,000		18,600
Oregon										18,600	10,300		18,600	10,300	28,900
Pennsylvania	(1)	(1)	(1)	(1)	(10)		(1)		(10)	(1)	(1)		(1)	(1)	4 10 215,000
South Carolina	10,000								185,500	4 215,000	(6)		4 215,000	(6)	261,350
South Dakota	20,000	(8)								63,350			261,350		4 121,500
Tennessee										4 21,500	(8)		4 121,500	(8)	(1)
Texas	11,701,000	15,400,000			3,000	87,000			4 350	(1)	(1)		(1)	(1)	4 11 27,222,650

See footnotes at end of table.

SUNSHINE, 1942

Table 13 gives for 171 stations the monthly amounts of sunshine and percentage of the possible, as derived from the automatic records made by an instrument designated the "thermometric recorder," illustrated in preceding volumes of these series.

This instrument does not record satisfactorily the duration of sunshine for about 1 hour after sunrise and for about 1 hour before sunset, and on this account it has been considered necessary to apply to the record for these hours what has been designated a "twilight correction."

The amount of this correction is found by noting the comparative clearness of the sky during the time that elapses between the hour of sunrise and the moment the instrument begins to record and between the time the instrument ceases to act and the hour of sunset.

The average cloudiness of the whole sky is determined by numerous personal observations at all stations during the daytime, and is given in the column under "cloudiness" in the tables of Climatology, pages 33 to 127.

TABLE 13.—Monthly amounts and percentage of sunshine, 1942

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible
Albany, N. Y.	147	50	139	47	141	38	203	50	238	52	241	52	267	57	251	58	219	58	219	64	146	50	108	38	2,319	52
Albuquerque, N. Mex.	228	73	217	71	277	75	251	64	385	89	380	88	351	80	305	73	306	82	227	65	266	86	216	71	3,409	77
Alpena, Mich.	60	21	76	26	155	42	297	73	216	47	298	64	310	66	255	59	176	47	165	49	86	30	42	16	2,136	48
Amarillo, Tex.	168	54	198	65	264	71	235	60	361	83	250	57	332	75	268	64	250	67	194	55	213	69	141	46	2,874	65
Anchorage, Alaska.	62	31	52	20	163	45	226	51	283	52	262	45	208	37	140	29	111	28	66	21	80	36	76	44	1,729	38
Apalachicola, Fla.	257	79	164	53	206	55	307	79	348	82	261	62	318	74	232	57	229	62	312	88	257	80	157	50	3,048	69
Asheville, N. C.	138	44	142	47	243	65	313	79	295	67	311	71	262	59	222	53	239	64	218	62	198	64	123	41	2,704	61
Atlanta, Ga.	264	65	146	47	217	58	306	78	284	66	280	64	284	65	252	61	230	62	230	65	218	70	126	41	2,777	62
Atlantic City, N. J.	162	53	192	64	206	56	271	68	296	67	228	51	263	58	220	52	239	64	218	63	196	65	120	41	2,611	59
Augusta, Ga.	236	74	167	54	255	69	353	90	311	72	316	74	338	77	319	77	271	73	290	82	263	84	152	49	3,271	74
Austin, Tex.	148	46	116	37	247	66	193	50	248	59	315	75	299	70	295	72	272	74	215	61	218	68	202	64	2,768	62
Baker, Oreg.	106	37	134	46	206	56	186	46	156	34	276	59	412	87	368	81	282	75	236	69	83	29	35	13	2,480	56
Baltimore, Md.	175	58	193	64	202	54	276	69	301	68	257	58	312	69	236	56	251	67	192	55	181	60	113	39	2,692	60
Billings, Mont.	173	61	129	44	208	56	231	57	259	56	304	64	363	76	288	66	214	57	198	59	138	49	93	34	2,598	58
Binghamton, N. Y.	93	31	97	33	123	33	221	55	210	46	249	55	262	57	237	55	225	61	172	50	102	35	49	17	2,044	46
Birmingham, Ala.	181	57	116	38	200	54	280	72	209	62	259	60	266	61	239	58	234	63	225	64	208	67	121	39	2,598	58
Bismarck, N. Dak.	184	66	115	40	169	46	242	59	214	46	284	60	308	64	298	68	217	58	185	55	149	53	87	33	2,452	55
Block Island, R. I.	174	58	196	66	226	61	270	68	295	66	296	65	323	70	281	66	220	59	212	62	154	52	138	48	2,785	63
Boise, Idaho.	118	41	156	53	257	69	254	63	215	47	363	78	436	93	388	90	339	90	256	75	101	35	41	15	2,924	66
Boston, Mass.	181	61	188	63	183	49	214	53	160	35	208	46	262	57	281	66	214	57	215	63	129	44	110	39	2,345	53
Brownsville, Tex.	143	43	52	16	161	43	201	52	244	59	279	67	289	69	294	73	229	62	223	62	172	53	180	55	2,467	56
Buffalo, N. Y.	83	29	89	30	112	30	256	64	208	46	278	61	318	68	268	62	214	57	159	46	122	42	55	20	2,162	48
Burlington, Iowa.	110	59	113	38	143	39	264	66	271	60	294	65	364	79	338	79	228	61	238	69	154	52	142	49	2,659	61
Burlington, Vt.	106	37	142	48	134	36	190	47	262	57	272	59	298	64	287	66	221	59	205	66	100	34	63	23	2,280	51
Canton, N. Y.	122	42	125	43	130	35	205	51	230	50	256	55	298	63	261	60	193	51	192	57	121	42	77	28	2,210	50
Cape Henry, Va.	163	53	185	61	227	61	327	83	348	79	284	64	332	74	236	56	246	66	191	55	189	62	133	45	2,861	64
Charles City, Iowa.	189	65	147	50	160	43	296	74	241	53	225	49	302	65	294	68	188	50	228	67	127	43	94	33	2,491	56
Charleston, S. C.	198	62	157	51	242	65	337	86	356	83	341	80	367	84	349	84	297	80	293	83	270	86	172	55	3,379	76
Charlotte, N. C.	207	66	209	68	270	73	340	87	281	65	307	71	281	64	233	56	252	68	213	61	208	67	129	42	2,930	66
Chattanooga, Tenn.	181	58	111	36	209	56	290	74	284	66	304	70	230	52	208	50	204	55	220	63	200	64	104	34	2,545	57
Cheyenne, Wyo.	205	69	188	63	274	74	210	53	284	63	257	57	316	69	248	58	258	69	214	62	174	59	206	72	2,834	64
Chicago, Ill.	150	51	96	32	153	41	305	76	243	54	220	48	311	67	261	61	214	57	210	61	133	45	100	35	2,396	54
Cincinnati, Ohio	161	53	117	39	186	50	292	73	247	56	292	65	342	76	286	67	255	68	184	53	130	43	76	26	2,568	58
Cleveland, Ohio.	112	38	127	43	156	42	281	70	252	56	316	70	370	81	320	75	265	71	177	52	97	33	53	18	2,526	57
Columbia, Mo.	211	70	152	51	234	63	282	71	281	63	209	47	349	77	329	78	254	68	231	67	154	51	140	48	2,826	63
Columbia, S. C.	218	69	177	57	244	66	317	81	258	60	286	66	306	70	302	73	253	68	260	74	242	78	119	39	2,982	67
Columbus, Ohio.	120	40	121	40	174	47	265	66	224	50	239	53	265	58	228	54	212	57	199	58	96	32	56	19	2,199	49
Concord, N. H.	161	55	172	58	171	46	224	56	215	47	266	58	279	60	282	65	198	53	191	56	103	35	102	36	2,364	53
Concordia, Kans.	217	72	160	53	221	60	263	66	313	70	280	62	341	75	273	64	198	53	223	65	160	54	74	25	2,723	61
Dallas, Tex.	162	51	128	42	252	68	169	43	242	56	290	68	345	79	282	68	244	66	187	53	182	58	128	41	2,611	59
Davenport, Iowa.	156	53	103	35	127	34	270	67	235	52	250	55	327	71	273	64	189	50	201	59	111	38	84	30	2,326	52
Dayton, Ohio.	154	51	114	38	175	47	287	72	258	58	306	68	329	72	288	68	247	66	178	52	96	32	49	17	2,481	56
Del Rio, Tex.	202	62	120	39	243	65	200	52	214	51	292	70	311	73	291	71	227	61	215	61	201	63	216	67	2,732	62
Denver, Colo.	195	65	172	57	253	68	217	55	329	74	278	62	362	79	318	75	279	75	222	64	223	74	205	71	3,053	69
Des Moines, Iowa.	216	73	111	38	146	39	300	75	277	61	270	59	352	76	345	80	199	53	237	69	135	46	114	40	2,702	61
Detroit, Mich.	102	34	115	39	129	35	290	72	239	53	288	63	356	77	256	60	201	54	142	42	88	30	66	23	2,272	51
Devils Lake, N. Dak.	180	65	169	59	180	49	256	62	258	55	263	55	320	66	266	60	214	57	216	64	157	56	94	36	2,573	58
Dodge City, Kans.	229	75	173	57	254	69	225	57	358	81	236	53	364	81	325	77	290	78	247	71	214	70	178	60	3,093	70
Dubuque, Iowa.	159	54	110	37	135	36	296	74	205	45	272	60	354	77	292	68	186	50	187	55	103	35	106	37		

TABLE 13.—Monthly amounts and percentage of sunshine, 1942—Continued

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible
Grand Junction, Colo.	170	56	144	48	217	58	246	62	352	79	373	84	364	80	329	78	301	81	215	62	170	56	153	52	3,034	68
Grand Rapids, Mich.	67	23	108	37	160	43	313	78	259	57	315	69	384	83	317	74	192	51	182	53	105	36	61	22	2,463	55
Great Falls, Mont.	190	69	176	61	251	68	230	56	283	60	289	60	400	83	326	74	208	55	202	60	128	46	112	43	2,795	62
Green Bay, Wis.	156	55	154	53	150	41	274	68	182	39	236	51	295	63	173	40	132	35	178	52	101	35	74	27	2,105	47
Greensboro, N. C.	171	55	177	58	232	62	313	80	250	57	251	57	310	70	231	55	252	68	177	51	191	62	143	47	2,698	61
Greenville, S. C.	169	54	147	48	221	59	326	83	285	66	275	63	263	59	237	57	250	67	207	59	197	64	139	46	2,716	61
Harrisburg, Pa.	157	52	168	56	183	49	292	73	277	62	269	60	311	68	247	58	208	56	147	43	126	42	106	37	2,491	56
Hartford, Conn.	175	59	161	54	173	47	247	61	228	50	238	52	294	64	244	57	196	52	216	63	145	49	141	50	2,458	55
Harve, Mont.	161	59	150	53	247	67	286	69	300	63	313	65	416	85	351	79	257	68	211	63	118	43	122	47	2,932	66
Helena, Mont.	154	55	129	45	224	60	227	56	221	47	275	58	372	78	351	80	264	70	204	61	126	45	113	42	2,660	60
Honolulu, T. H.	288	84	226	70	262	70	242	64	308	76	290	72	286	70	307	77	290	79	280	77	236	71	216	64	3,231	73
Houston, Tex.	174	54	79	25	183	49	164	42	232	55	240	57	249	58	231	56	183	49	194	55	172	54	205	65	2,306	52
Huron, S. Dak.	208	72	129	44	176	47	267	66	250	55	308	66	335	72	303	70	211	56	202	59	129	45	86	31	2,604	58
Indianapolis, Ind.	150	50	110	37	119	32	282	71	244	55	272	60	344	76	276	65	245	65	213	62	119	40	70	24	2,444	55
Ithaca, N. Y.	108	37	99	33	117	32	223	56	201	44	259	57	280	61	237	55	212	57	168	49	128	43	57	20	2,089	47
Jacksonville, Fla.	249	77	192	62	258	69	325	84	321	76	228	54	328	76	278	68	222	60	256	72	197	62	179	57	3,033	68
Juneau, Alaska	30	14	67	26	148	40	176	41	208	40	185	34	169	31	122	26	128	33	10	3	58	24	36	18	1,337	30
Kalispell, Mont.	36	13	98	34	182	49	231	56	254	54	239	50	379	78	353	80	266	70	146	44	47	17	33	13	2,264	51
Kansas City, Mo.	225	74	142	47	233	63	279	70	264	59	255	57	352	78	291	69	197	53	243	70	138	46	126	43	2,745	62
Key West, Fla.	176	53	204	64	245	66	296	77	332	80	232	57	327	78	270	67	266	72	309	86	237	72	180	55	3,074	69
Knoxville, Tenn.	162	52	119	39	201	54	295	75	262	60	303	69	280	63	177	42	225	60	187	54	165	54	107	35	2,483	56
La Crosse, Wis.	158	55	100	34	114	31	264	65	195	42	274	59	313	67	297	69	168	45	215	63	145	50	85	30	2,328	52
Lander, Wyo.	230	79	215	73	311	84	277	69	297	65	377	82	383	82	365	85	282	75	218	64	176	60	202	72	3,333	75
Lansing, Mich.	83	28	102	34	116	31	292	73	250	55	309	67	332	71	257	60	186	50	165	48	86	30	62	22	2,240	50
Lincoln, Nebr.	203	68	152	51	195	53	272	68	266	59	268	59	363	79	305	71	185	49	224	65	153	51	79	28	2,665	60
Little Rock, Ark.	200	64	151	49	242	65	231	59	301	69	283	65	361	82	263	63	274	74	261	75	174	56	135	44	2,876	65
Los Angeles, Calif.	208	66	231	75	318	86	214	55	353	82	274	63	374	85	335	81	286	77	251	71	255	82	233	76	3,332	75
Louisville, Ky.	188	62	98	32	137	37	252	64	214	48	204	46	284	63	261	62	211	57	141	41	111	37	62	21	2,163	48
Lynchburg, Va.	196	64	196	65	248	67	323	82	330	75	318	72	352	79	260	62	259	69	187	54	190	62	130	44	2,989	67
Macon, Ga.	193	61	144	47	240	65	346	89	315	73	240	56	285	65	283	68	237	64	238	68	226	72	139	45	2,886	65
Madison, Wis.	136	46	87	30	118	32	262	65	173	38	217	47	308	66	258	60	166	44	195	57	90	31	77	27	2,087	47
Marquette, Mich.	87	31	66	23	148	40	268	66	243	52	279	59	264	55	261	59	148	39	178	53	86	31	30	11	2,058	46
Memphis, Tenn.	196	63	133	44	243	65	248	63	302	69	309	71	377	85	264	63	271	73	252	72	160	52	111	36	2,866	64
Meridian, Miss.	206	64	143	46	216	58	269	69	285	67	246	58	241	56	211	51	216	58	234	66	230	73	125	40	2,622	59
Miami, Fla.	155	47	215	68	226	61	253	66	273	66	190	46	280	66	248	61	210	57	203	57	218	67	185	57	2,656	60
Milwaukee, Wis.	143	49	88	30	136	37	279	69	223	49	254	55	323	69	269	63	195	52	195	57	117	40	82	29	2,304	52
Minneapolis, Minn.	175	61	131	45	139	37	309	76	224	49	287	61	353	75	303	70	204	54	221	65	125	44	98	36	2,569	58
Missoula, Mont.	88	32	120	42	158	43	209	51	198	42	223	47	386	80	352	80	261	69	137	41	48	17	29	11	2,209	49
Mobile, Ala.	203	63	144	46	187	50	263	68	297	70	235	55	190	44	202	49	238	64	237	67	225	71	128	41	2,549	57
Modena, Utah	205	67	172	57	284	76	247	62	361	82	427	96	395	88	363	86	360	97	264	76	261	86	232	78	3,571	80
Nantucket, Mass.	191	64	200	67	262	71	284	71	261	58	211	47	280	61	269	63	259	69	192	56	130	44	154	53	2,693	60
Nashville, Tenn.	191	61	138	45	241	65	298	76	293	67	333	76	260	58	238	57	300	81	235	67	196	63	91	30	2,814	63
New Haven, Conn.	190	64	198	67	215	58	276	69	278	62	303	67	353	77	327	77	248	66	218	63	157	53	148	51	2,911	65
New Orleans, La.	230	71	118	38	196	53	228	59	301	71	240	57	251	58	236	58	273	74	275	78	222	69	138	44	2,708	61
New York, N. Y.	186	62	178	6																						

TABLE 13.—Monthly amounts and percentage of sunshine, 1942—Continued

Stations	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible	Hours	Percentage of possible
Sheridan, Wyo.	201	70	182	62	209	56	190	47	242	52	277	59	351	74	339	78	213	57	242	71	165	57	138	50	2,749	69
Sioux City, Iowa	193	65	118	40	145	39	272	68	249	55	261	57	371	80	335	78	197	53	246	72	137	47	99	35	2,623	59
Spokane, Wash.	85	31	112	39	244	66	279	68	257	55	321	67	417	86	408	92	335	89	247	74	48	17	12	5	2,765	62
Springfield, Ill.	190	63	116	39	186	50	271	68	235	53	232	52	318	70	310	73	209	56	204	59	127	42	104	36	2,502	56
Springfield, Mo.	194	63	138	46	204	55	219	55	267	61	236	54	361	81	280	67	242	65	209	60	133	43	98	33	2,581	58
Syracuse, N. Y.	97	33	94	31	132	36	227	56	195	43	286	62	290	62	210	49	173	46	126	37	136	46	49	17	2,015	45
Tacoma, Wash.	84	30	101	35	181	49	207	51	179	38	225	47	256	53	243	55	184	49	114	34	81	29	29	11	1,884	42
Tampa, Fla.	190	58	177	56	196	53	315	82	363	86	250	60	280	66	269	66	207	56	318	89	264	82	203	63	3,032	68
Tatoosh Island, Wash.	56	20	109	38	117	32	109	26	175	37	224	47	199	41	228	52	151	40	140	42						
Terre Haute, Ind.	168	55	101	33	163	44	283	71	267	60	250	56	325	72	258	61	230	62	226	65	133	44	79	27	2,483	56
Toledo, Ohio	89	30	110	37	118	32	273	68	227	50	308	68	363	79	264	61	228	61	178	51	84	29	52	18	2,294	51
Trenton, N. J.	145	48	164	55	177	48	264	66	300	67	277	62	326	72	269	63	244	65	195	57	163	55	97	33	2,621	59
Valentine, Nebr.	194	66	137	46	204	55	250	62	243	53	283	62	346	74	300	70	200	53	206	60	122	42	144	51	2,629	59
Vicksburg, Miss.	203	63	112	36	197	53	212	55	251	59	228	53	271	62	213	52	253	68	225	64	217	69	117	37	2,499	56
Walla Wall, Wash.	43	15	108	37	121	62	249	61	279	60	342	73	419	88	418	96	318	85	235	69	31	11	31	11	2,704	61
Washington, D. C.	154	51	183	61	209	59	279	70	304	69	252	57	288	64	239	56	246	66	164	47	146	48	71	24	2,535	57
Wichita, Kans.	242	79	190	63	287	77	261	66	317	72	248	56	356	79	295	70	237	64	200	58	180	59	132	44	2,945	66
Williston, N. Dak.	208	76	103	36	176	48	222	54	266	56	292	61	388	70	299	68	207	55	221	66	124	44	64	24	2,520	56
Wilmington, N. C.	216	68	186	61	249	67	332	85	317	73	337	78	320	73	285	69	286	77	245	70	247	79	168	55	3,188	72
Winnemucca, Nev.	106	35	130	44	209	56	226	56	267	60	357	79	437	95	379	89	346	93	276	80	122	41	57	20	2,912	65
Yakima, Wash.	48	17	104	36	195	53	258	63	246	53	341	72	395	83	394	90	292	77	190	56	33	12	43	16	2,539	57
Yuma, Ariz.	261	82	266	86	341	92	330	85	428	100	424	99	426	98	388	94	371	100	330	94	307	98	283	91	4,155	93

EXCESSIVE RAINFALL, 1942

Table 14 contains statistics of maximum amounts of rainfall during the calendar year 1942.

The method of tabulating excessive precipitation has been changed, beginning with the year 1936, to meet the needs of many sewage engineers.

The method heretofore used gave the accumulated depth of precipitation for each 5 minutes for a storm in which the rate of fall equaled or exceeded 0.25 inch in any 5-minute period or 0.30 inch in any 10-minute period, etc., and 0.80 inch in any 1-hour period, or 1.40 inches in 2 hours, the tabulation beginning with the 5-minute period where the rate of 0.05 inch in 5 minutes began and continuing for 5-minute periods up to 120 minutes.

The present method gives the maximum fall of precipitation for the periods 5 to 180 minutes, the maximum amounts being taken for the periods in which the fall is the greatest for the given time, and is tabulated to show the maximum amounts for 5, 10, 20, 30, 45, 60, 80, 100, 120, 150, and 180 minutes, even if the fall does not equal the excessive rate for some of the periods.

Table 14 shows for most stations of the Weather Bureau furnished with self-registering gages the maximum amounts of precipitation in 5, 10, 20, 30, 45, 60, 80, 100, 120, 150, and 180 minutes. The following table A shows limits at which precipitation is considered as excessive for all stations except in the Southern States, including North Carolina, South Carolina, Georgia, Florida, Ala-

TABLE A.—Showing limits at which precipitation may be considered as excessive

Duration (in minutes)	Depth of precipitation (in inches)	Duration (in minutes)	Depth of precipitation (in inches)
5	0.25	35	0.55
10	.30	40	.60
15	.35	45	.65
20	.40	50	.70
25	.45	60	.80
30	.50		

bama, Mississippi, Tennessee, Arkansas, Louisiana, Texas, Oklahoma, and San Juan, P. R.

This table is made up from the formula, $A=t+20$, where A is the accumulated depth in hundredths of inches and t is the time in minutes.

For the Southern States, table B is used. This table is made up from the formula, $A=2t+30$:

TABLE B.—Showing limits at which precipitation may be considered as excessive

Duration (in minutes)	Depth of precipitation (in inches)	Duration (in minutes)	Depth of precipitation (in inches)
5	0.40	40	1.10
10	.50	45	1.20
15	.60	50	1.30
20	.70	60	1.50
25	.80	80	1.90
30	.90	100	2.30
35	1.00	120	2.70

Similar data for the years 1896 to 1934, inclusive, have been presented in the appropriate annual reports of the Chief of the Weather Bureau, and for the years 1935-39 in appropriate issues of the United States Meteorological Yearbook. The published data prior to 1896 consist of a record of maximum amounts of rainfall in 5- and 10-minute periods, also in 1 and 24 hours. The annual report for 1895-96 contains a summary of the records which up to that time had been made at the principal stations supplied with automatic gages.

The excessive precipitation data for the years 1897-1935, inclusive, show the accumulated amounts of precipitation for each 5 minutes during all storms in which the rate of fall equaled or exceeded 0.25 inch in any 5-minute period, or 0.30 inch in any 10-minute period, or 0.35 inch in any 15-minute period, etc.

Normal standard time at the place of occurrence is employed in these tables.

TABLE 14.—Maximum precipitation for stated intervals during 1942 at all stations furnished with self-registering gages

Stations and dates	Maximum amounts of precipitation, inches (5 to 180 minutes)												Stations and dates	Maximum amounts of precipitation, inches (5 to 180 minutes)											
	5	10	20	30	45	60	80	100	120	150	180	5		10	20	30	45	60	80	100	120	150	180		
NEW ENGLAND STATES																									
Eastport, Maine:																									
June 19	0.28	0.35	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45														
Portland, Maine:																									
July 1	.18	.28	.50	.51	.62	.75	.77	.79	.86	.90	.90														
Burlington, Vt.:																									
June 13	.16	.27	.36	.37	.40	.41	.41	.42	.42	.44	.45														
June 14	.18	.29	.47	.66	.77	.82	1.13	1.28	1.41	1.66	2.07														
July 28	.30	.52	.75	.76	.76	.76	.76	.77	.86	.90															
Aug. 16	.37	.59	1.06	1.41	1.47	1.48	1.48	1.48	1.48	1.48	1.48														
Aug. 28	.19	.30	.42	.48	.53	.57	.59	.60	.61	.62	.62														
Sept. 27	.28	.47	.83	.89	.96	1.00	1.03	1.04	1.07	1.11	1.12														
Northfield, Vt.:																									
June 4	.37	.49	.73	.76	.78	.79	.79	.79	.79	.87	.87														
June 14	.29	.45	.65	.67	.73	.80	1.05	1.30	1.36	1.47	1.49														
Aug. 16	.16	.30	.50	.61	.66	.66	.68	.68	.68	.68	.68														
Sept. 20	.22	.35	.43	.48	.56	.61	.63	.64	.69	.73	.76														
Concord, N. H.:																									
June 7	.45	.87	1.23	1.36	1.39	1.41	1.49	1.51	1.55	1.55	1.55														
Sept. 16	.43	.84	1.45	1.91	1.96	1.97	1.97	1.97	1.98	2.02	2.02														
Boston, Mass.:																									
June 7	.31	.53	.78	.83	.88	.89	.90	.90	.90	.90	.90														
June 19-20	.23	.36	.43	.68	.90	1.21	1.45	1.58	1.80	1.80	1.81														
July 29	.24	.37	.61	.75	.78	.84	.91	1.04	1.08	1.09	1.09														
Nantucket, Mass.:																									
Aug. 9-10	.23	.31	.35	.42	.53	.53	.54	.55	.56	.74	.83														
Aug. 14	.17	.29	.41	.48	.50	.52	.63	.68	.71	.84	.92														
Aug. 14	.28	.43	.71	.91	1.18	1.22	1.25	1.26	1.26	1.26	1.26														
Oct. 18	.23	.40	.63	.79	1.01	1.15	1.26	1.55	1.70	1.85	1.89														
Oct. 22	.21	.30	.43	.54	.55	.55	.55	.56	.68	.70	.70														
Nov. 1	.18	.27	.46	.55	.64	.70	.76	.83	.83	.83	.83														
Block Island, R. I.:																									
Aug. 14	.40	.67	.83	.94	1.00	1.10	1.21	1.23	1.25	1.26	1.27														
Nov. 25	.14	.24	.43	.52	.63	.71	.76	.78	.79	.80	.81														
Providence, R. I.:																									
July 3	.16	.25	.36	.58	.72	.87	1.05	1.20	1.29	1.44	1.50														
Nov. 1	.25	.35	.53	.58	.59	.60	.60	.60	.61	.61	.62														
Hartford, Conn.:																									
June 7	.27	.34	.45	.49	.54	.55	.57	.57	.57	.57	.57														
June 14	.21	.34	.47	.59	.69	.76	.84	.89	.89	.90	.90														
July 18	.25	.39	.46	.51	.54	.56	.59	.61	.63	.64	.65														
Aug. 14	.18	.30	.40	.43	.45	.46	.47	.47	.48	.56	.60														
Aug. 17	.30	.47	.65	.69	.73	.74	.74	.74	.74	.77	1.27														
Sept. 27	.19	.29	.43	.55	.77	.92	1.05	1.08	1.10	1.14	1.1														
Nov. 1	.30	.49	.61	.69	.77	.81	.84	.94	.96	.96	.97														
New Haven, Conn.:																									
July 2	.17	.26	.40	.44	.54	.59	.62	.68	.90	1.06	1.20														
Aug. 10	.27	.47	.68	.70	.80	.85	.87	.88	.88	.88	.88														
Aug. 16	.72	1.12	1.28	1.28	1.35	1.39	1.39	1.39	1.39	1.40	1.43														
Aug. 17	.52	.99	1.11	1.22	1.23	1.25	1.26	1.26	1.40	1.46	1.50														
Aug. 23	.35	.54	.68	.75	.84	.86	.87	.87	.87	.87	.87														
Oct. 21	.21	.32	.43	.46	.48	.53	.60	.64	.67	.72	.76														
MIDDLE ATLANTIC STATES																									
Albany, N. Y.:																									
June 12	.17	.31	.48	.51	.51	.51	.51	.52	.52	.52	.53														
July 1	.39	.65	.68	.68	.68	.69	.69	.69	.69	.69	.69														
July 19	.23	.39	.48	.51	.53	.54	.55	.55	.55	.56	.57														
July 29	.25	.41	.55	.60	.60	.60	.61	.61	.61	.61	.61														
Binghamton, N. Y.:																									
June 4	.25	.65	.81	1.10	1.28	1.29	1.29	1.30	1.30	1.30	1.30														
July 17	.42	.57	.63	.65	.67	.70	1.03	1.10	1.13	1.18	1.22														
July 27	.38	.50	.64	.65	.65	.66	.80	.83	.83	.83	.83														
New York, N. Y.:																									
June 7	.38	.76	1.37	1.74	2.12	2.15	2.36	2.52	2.61	2.64	2.73														
July 18	.23	.39	.56	.71	.99	1.27	1.32	1.35	1.39	1.44	1.50														
Aug. 16	.25	.37	.49	.52	.73	.93	.95	.97	.98	.99	1.00														
Aug. 17	.28	.53	.58	.64	.69	.76	.80	.81	.82	.84	.84														
Harrisburg, Pa.:																									
May 16	.33	.48	.70	.80	.85	.88	.91	.95	.96	.97	.98														
June 22	.17	.32	.55	.62	.64	.69	.71	.73	.73	.74	.84														
July 2	.15	.24	.42	.49	.50	.50	.50	.51	.51	.51	.51														
July 10	.15	.23	.44	.57	.89	.99	1.08	1.15	1.17	1.21	1.24														
July 18	.13	.25	.33	.55	.72	.82	.92	.95	1.00	1.05	1.05		</												

TABLE 14.—Maximum precipitation for stated intervals during 1942 at all stations furnished with self-registering gages—Continued

Stations and dates	Maximum amounts of precipitation, inches (5 to 180 minutes)											Stations and dates	Maximum amounts of precipitation, inches (5 to 180 minutes).										
	5	10	20	30	45	60	80	100	120	150	180		5	10	20	30	45	60	80	100	120	150	180
SOUTH ATLANTIC STATES—con.												EAST GULF STATES—continued											
Raleigh, N. C.:												Birmingham, Ala.:											
May 21	0.30	0.54	0.79	0.82	0.82	0.82	0.82	0.82	0.82	0.85	0.85	May 14	0.27	0.47	0.73	0.86	0.90	0.93	1.00	1.05	1.12	1.33	1.38
June 9	.39	.48	.52	.54	.64	.73	.77	.78	.78	.78	.78	Dec. 27	.44	.74	1.26	1.64	1.85	2.37	3.03	3.33	3.45	3.71	4.23
July 10	.12	.70	.72	.72	.75	.77	.77	.77	.77	.77	.77	Mobile, Ala.:											
Aug. 4	.45	.75	.95	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	May 12	.55	.92	1.34	1.54	1.59	1.65	1.72	1.78	1.84	1.90	1.92
Aug. 11	.73	.88	1.00	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	May 13	.43	.73	.96	1.07	1.20	1.23	1.25	1.34	1.52	1.56	1.56
Aug. 12	.25	.50	.62	.65	.67	.70	.72	.77	.80	.84	.84	May 15	.29	.50	.83	.89	.91	.94	.96	.99	1.03	1.09	1.14
Wilmington, N. C.:												May 16	.46	.58	.83	.95	1.15	1.17	1.18	1.19	1.22	1.23	1.43
May 5	.35	.52	.63	.63	.65	.69	.73	.75	.75	.75	.75	June 22	.39	.66	1.12	1.56	2.19	2.84	3.35	3.61	3.93	4.23	4.39
May 15	.20	.33	.50	.72	.85	1.15	1.33	1.69	1.79	1.85	1.86	July 4	.35	.55	.73	.78	.82	1.06	1.41	1.71	1.81	1.81	1.81
May 16	.29	.55	.69	.71	.72	.74	.76	.78	.78	.78	.78	July 13	.40	.70	.92	1.01	1.04	1.07	1.08	1.08	1.08	1.08	1.09
June 19	.36	.61	.92	.98	1.11	1.17	1.24	1.33	1.35	1.37	1.38	Aug. 12	.45	.70	1.13	1.60	1.86	1.89	2.25	2.33	2.34	2.34	2.34
July 2	.28	.41	.71	.79	.93	1.07	1.12	1.14	1.15	1.16	1.16	Oct. 25	.52	.89	1.31	1.50	1.59	1.65	1.88	2.19	2.30	2.32	2.35
Aug. 1	.33	.59	.92	1.08	1.19	1.22	1.22	1.22	1.22	1.23	1.24	Dec. 27-28	.41	.72	1.11	1.38	1.66	1.78	2.28	2.40	2.45	2.92	3.15
Aug. 9	.37	.59	.74	.91	1.04	1.05	1.05	1.05	1.05	1.05	1.06	Montgomery, Ala.:											
Charleston, S. C.:												June 15	.31	.57	1.07	1.27	1.31	1.32	1.32	1.32	1.32	1.32	1.32
Jan. 3	.24	.35	.52	.65	.86	1.01	1.17	1.29	1.39	1.45	1.51	Dec. 5	.36	.62	.79	1.04	1.40	1.85	2.21	2.35	2.42	2.51	2.52
June 16	.43	.62	.75	.79	.81	.83	.85	.85	.85	.85	.85	Meridian, Miss.:											
July 3	.42	.68	.74	.74	.84	.84	.84	.84	.84	.84	.84	Mar. 20	.29	.53	.97	1.18	1.48	1.71	1.93	2.16	2.40	2.80	2.96
July 5	.41	.79	1.27	1.76	2.35	2.49	2.49	2.49	2.49	2.49	2.49	Apr. 9	.44	.87	1.11	1.11	1.11	1.12	1.13	1.13	1.17	1.22	1.22
July 10	.39	.59	.62	.62	.62	.62	.62	.62	.62	.62	.62	May 14	.39	.56	.96	1.00	1.13	1.27	1.41	1.49	1.54	1.65	1.70
Aug. 19	.31	.50	.67	.82	1.06	1.43	1.54	1.59	1.65	1.69	1.71	June 10	.35	.64	.77	.92	.94	.94	.94	.94	.94	.94	.94
Aug. 24	.46	.79	.93	.99	.99	.99	.99	.99	.99	1.11	1.11	June 21	.28	.47	.65	.91	1.24	1.63	1.67	1.67	1.67	1.67	1.67
Sept. 26	.29	.52	.73	.81	.83	.85	.87	.91	.97	1.26	1.26	Dec. 27	.36	.68	1.13	1.37	1.54	1.63	1.74	1.92	2.00	2.16	2.38
Columbia, S. C.:												Vicksburg, Miss.:											
April 10	.32	.52	.74	.88	.95	.96	.96	.97	1.02	1.31	1.38	Feb. 16	.25	.45	.62	.76	1.03	1.12	1.19	1.21	1.32	1.42	1.44
July 3	.38	.50	.76	.98	1.27	1.43	1.50	1.55	1.87	2.65	2.89	Mar. 13	.53	.81	.94	1.10	1.14	1.15	1.18	1.24	1.30	1.32	1.33
July 8	.35	.52	.57	.58	.59	.59	.59	.59	.59	.59	.59	May 14	.48	.83	1.50	2.07	2.44	2.54	2.63	2.67	2.75	2.88	2.98
July 24	.43	.57	.58	.60	.60	.61	.61	.61	.62	.62	.62	June 6	.27	.50	.72	.74	.74	.75	.76	.76	.77	.77	.77
Greenville, S. C.:												June 30	.36	.65	1.05	1.46	1.67	1.82	1.85	1.87	1.94	1.98	2.03
July 1	.39	.59	.73	.81	.89	1.05	1.10	1.11	1.11	1.11	1.11	Oct. 25	.37	.67	1.28	1.62	1.88	1.90	2.26	2.32	2.32	2.32	2.32
Augusta, Ga.:												Dec. 27	.24	.40	.74	.93	1.26	1.43	1.59	1.74	1.99	2.11	2.19
Mar. 17	.58	.91	1.05	1.08	1.14	1.17	1.20	1.21	1.24	1.26	1.33	Feb. 15	.36	.49	.65	.75	.97	1.33	1.52	1.80	2.04	2.21	2.64
May 6	.24	.41	.69	.92	1.16	1.29	1.32	1.33	1.33	1.33	1.33	May 15	.55	1.03	1.65	1.99	2.36	2.37	2.39	2.41	2.42	2.53	2.57
July 22	.26	.42	.73	.76	.79	.80	.81	.92	1.00	1.03	1.03	May 20	.50	.87	1.16	1.28	1.33	1.34	1.35	1.35	1.35	1.35	1.35
Aug. 11	.28	.52	.72	.84	.93	.97	.99	1.00	1.00	1.00	1.00	June 9	.32	.54	.78	.82	.86	.86	.86	.87	1.09	1.09	1.10
Savannah, Ga.:												June 22	.46	.90	1.53	2.19	2.80	3.45	4.09	4.39	4.53	4.71	4.75
June 16	.44	.73	1.02	1.04	1.07	1.21	1.48	1.52	1.52	1.52	1.52	June 25	.38	.71	.94	.98	1.03	1.04	1.04	1.04	1.04	1.04	1.04
July 23	.59	.94	1.55	2.01	2.56	3.63	4.52	4.82	4.89	4.96	5.03	June 25	.27	.52	.82	.98	1.04	1.05	1.09	1.12	1.16	1.17	1.19
Aug. 12	.31	.53	.75	1.00	1.27	1.28	1.28	1.28	1.28	1.28	1.28	July 10	.38	.69	1.26	1.65	2.26	2.79	3.30	3.38	3.38	3.38	3.38
Jacksonville, Fla.:												July 26	.45	.65	.92	1.00	1.04	1.04	1.04	1.04	1.04	1.04	1.10
Mar. 13	.37	.50	.53	.57	.60	1.10	1.14	1.21	1.28	1.36	1.42	Aug. 10	.39	.56	.72	.81	.92	1.18	1.46	1.82	1.82	1.86	1.88
July 13	.39	.73	1.22	1.47	1.53	1.54	1.54	1.54	1.54	1.54	1.54	Aug. 21	.27	.47	.64	.77	.85	.94	1.18	1.32	1.40	1.48	1.53
Sept. 5	.28	.43	.73	.87	.98	1.00	1.01	1.03	1.05	1.07	1.09	Sept. 26											
Sept. 6	.38	.66	.99	1.27	1.37	1.46	1.49	1.49	1.50	1.50	1.50												
FLORIDA PENINSULA												WEST GULF STATES											
Key West, Fla.:												Shreveport, La.:											
June 7-8	.50	.77	.92	.93	.93	.93	.93	1.02	1.12	1.12	1.13	Apr. 8	.31	.47	.74	.87	.98	1.04	1.13	1.16	1.18	1.20	1.25
June 8	.42	.65	.72	.81	.92	.98	1.03	1.07	1.14	1.31	1.36	Apr. 25	.57	.97	1.14	1.29	2.14	2.46	3.40	3.73	4.01	4.49	4.76
June 27	.32	.53	.64	.65	.68	.68	.71	.78	.83	.88	.90	May 17	.39	.52	.59	.66	.80	1.18	1.44	1.48	1.48	1.48	1.49
Miami, Fla.:												May 18	.22	.39	.63	1.00	1.32	1.58	1.71	1.90	2.04	2.17	2.26
Apr. 16	.42	.79	1.39	1.95	2.42	2.97	3.33	3.60	3.88	4.05	4.61	June 13	.43	.70	.83	.86	.86	.86	.88	.88	.89	1.12	1.16
Apr. 17	.60	.94	1.25	1.32	1.61	1.81	2.50	2.92	2.93	2.93	3.66	June 14	.24	.47	.71	.75	.78	.78	.80	.83	.84	.85	.85
June 3	.28	.42	.81	.94	1.07	1.20	1.43	1.72	1.80	1.81	1.81	Aug. 19	.30	.47	.75	.97	1.12	1.19	1.21	1.21	1.22	1.22	1.23
June 9	.36	.55	.77	.84	.86	.87	.88	.88	.98	1.01	1.03	Aug. 23	.25	.47	.87	1.30	1.83	2.09	2.20	2.26	2.43	2.60	2.71
June 15	.26	.47	.80	1.06	1.08	1.09	1.09	1.09	1.09	1.09	1.09	Aug. 31	.35	.66	.97	.99	.99	1.03	1.03	1.03	1.03	1.03	1.03
June 25	.29	.48	.83	.89	.89	.90	.93	.94	.96	1.45	1.46	Fort Smith, Ark.:											
Sept. 29	.23	.45	.64	.68	.69	.69	.70	.70	.70	.70	.70	May 5	.35	.64	.95	1.16	1.21	1.22	1.32	1.36	1.62	1.75	1.75
Oct. 1-2	.37	.54	.81	.97	1.16	1.26	1.35	1.36	1.37	1.39	1.40	May 17	.45	.60	.61	.65	.66	.66	.66	.66	.66	.66	.66
Tampa, Fla.:												Aug. 9	.42	.76	1.10	1.14	1.14	1.16	1.16	1.16	1.16	1.16	1.16
Mar. 18	.48	.94	1.42	1.46	1.52	1.55	1.55	1.55	1.55	1.55	1.55	Sept. 6	.30	.57	.72	.77	.92	1.05	1.05	1.05	1.05	1.05	1.05
July 15	.52	1.01	1.86	2.10	2.16	2.17	2.17	2.17	2.17	2.17	2.17	Little Rock, Ark.:											
July 26	.37	.74	1.01	1.08	1.11	1.11	1.12	1.13	1.13	1.13	1.13	Oct. 30	.27	.50	.67	.77	.81	.82	.85	.89	.92	1.18	1.32
Sept. 4	.39	.71	1.01	1.06	1.08	1.09	1.10	1.12	1.17	1.26	1.29	Austin, Tex.:											
EAST GULF STATES												Apr. 7-8											
Atlanta, Ga.:												Sept. 3											
Mar. 15	.36	.55	.88	1.21	1.52	1.54	1.54	1.55	1.55	1.55	1.55	Brownsville, Tex.:											
May 14	.34	.60	.97	1.07	1.16	1.29	1.34	1.35	1.42	1.45	1.55	June 22	.66	1.26	2.12	2.53	2.74	2.82	2.90	2.96	3.02	3.56	4.17
July 14	.38	.65	.92	1.11	1.14	1.18	1.20	1.20	1.20	1.20	1.37	June 30	.37	.6									

See footnotes at end of table.

TABLE 14.—Maximum precipitation for stated intervals during 1942 at all stations furnished with self-registering gages—Continued

See footnotes at end of table.

See footnotes at end of table.

TABLE 14.—Maximum precipitation for stated intervals during 1942 at all stations furnished with self-registering gages—Continued

Stations and dates	Maximum amounts of precipitation, inches (5 to 180 minutes)											Stations and dates	Maximum amounts of precipitation, inches (5 to 180 minutes)										
	5	10	20	30	45	60	80	100	120	150	180		5	10	20	30	45	60	80	100	120	150	180
LOWER LAKE REGION—continued																							
Toledo, Ohio:																							
Mar. 16	0.20	0.34	0.45	0.49	0.52	0.57	0.68	0.71	0.73	0.74	0.74	Minneapolis, Minn.:											
May 31	.24	.35	.38	.38	.39	.41	.50	.54	.54	.54	.54	Apr. 26	0.20	0.28	0.52	0.57	0.58	0.60	0.60	0.60	0.60	0.62	0.64
June 20	.27	.45	.52	.62	.64	.64	.65	.67	.74	.78	1.24	Apr. 30	.40	.63	.78	.78	.79	.80	.81	.81	.81	.81	.81
July 30	.20	.29	.40	.52	.58	.70	.82	.87	.90	1.00	1.00	July 12	.22	.38	.45	.45	.45	.45	.45	.45	.45	.45	.45
Aug. 9	.34	.59	.80	.82	.83	.85	.86	.88	.90	.93	.93	July 25	.22	.34	.40	.45	.49	.49	.50	.50	.50	.51	.51
Fort Wayne, Ind.:																							
June 6	.45	.74	1.09	1.49	1.89	1.96	1.98	1.99	1.99	1.99	2.47	Sept. 1	.21	.37	.51	.56	.64	.71	.82	1.02	1.12	1.27	1.37
June 20	.38	.62	.73	.99	1.24	1.72	1.74	1.80	1.83	1.85	1.87	Sept. 1	.20	.38	.61	.84	1.15	1.34	1.48	1.58	1.62	1.68	1.79
July 19	.26	.33	.59	.82	1.04	1.32	1.66	1.80	1.94	1.94	1.95	Sept. 11	.19	.30	.30	.31	.31	.32	.32	.33	.33	.34	
July 29	.23	.32	.42	.49	.50	.50	.51	.51	.51	.51	.51	Sept. 11	.20	.36	.51	.55	.56	.59	.65	.71	.82	.85	.85
July 30	.30	.43	.60	.67	.76	.80	.84	.88	.91	.95	.96	La Crosse, Wis.:											
July 31	.47	.73	1.09	1.29	1.31	1.32	1.32	1.32	1.32	1.32	1.32	Apr. 29	.24	.33	.40	.42	.44	.44	.44	.44	.44	.44	.44
Aug. 7	.19	.31	.42	.46	.58	.74	.83	.90	.94	1.00	1.03	May 29	.25	.33	.45	.48	.48	.48	.48	.48	.48	.48	.48
Aug. 22	.38	.59	.69	.75	.75	.77	.77	.77	.77	.77	.90	June 28	.41	.72	1.11	1.16	1.18	1.21	1.21	1.21	1.21	1.21	1.21
Sept. 8	.18	.34	.46	.74	.97	1.06	1.09	1.11	1.28	1.31	1.31	June 28	.37	.57	1.06	1.14	1.16	1.26	1.52	1.68	1.74	1.75	1.75
Sept. 19	.36	.56	.64	.65	.65	.65	.72	.76	.79	.81	.81	June 28	.23	.37	.50	.53	.56	.57	.60	.63	.67	.73	.75
Detroit, Mich.:																							
May 15	.21	.38	.47	.49	.54	.59	.69	.75	.77	.79	.82	July 18	.33	.49	.51	.51	.51	.51	.52	.52	.52	.52	.52
May 30-31	.14	.25	.43	.54	.67	.71	.76	.83	.88	.90	.90	Aug. 8	.20	.33	.34	.35	.38	.43	.49	.52	.53	.53	.54
July 29	.24	.32	.45	.67	.78	.81	.86	.88	.89	.89	.90	Sept. 1	.21	.35	.37	.37	.73	.74	.75	.75	.75	.75	.75
Aug. 8	.31	.48	.72	1.00	1.26	1.49	1.67	1.71	1.73	1.84	1.91	Sept. 11	.22	.31	.39	.43	.43	.44	.45	.46	.46	.46	.46
Sept. 8	.18	.34	.57	.66	.73	.75	.75	.76	.76	.76	.76	Sept. 17	.25	.41	.66	.94	1.41	1.69	1.72	1.75	1.77	1.79	1.80
Nov. 9	.11	.19	.39	.54	.69	.81	.86	.87	.91	.94	.94	Sept. 18	.48	.62	.68	.69	.71	.85	.94	.95	1.26	1.27	1.34
UPPER LAKE REGION																							
Sault Ste. Marie, Mich.:																							
June 6	.20	.31	.43	.60	.81	.91	1.03	1.11	1.24	1.37	1.39	Madison, Wis.:											
Aug. 22	.40	.73	.99	1.02	1.04	1.06	1.07	1.07	1.07	1.07	1.07	June 10	.20	.31	.45	.60	.62	.65	.69	.70	.71	.71	.71
Sept. 18	.17	.27	.41	.57	.72	.87	.93	.93	.93	.93	.93	June 20	.30	.48	.55	.62	.64	.68	.73	.76	.80	.80	.81
Escanaba, Mich.:																							
June 3	.23	.43	.56	.59	.62	.64	.69	.70	.71	.71	.72	July 13	.32	.43	.56	.58	.59	.59	.59	.60	.62	.66	.68
July 17	.40	.52	.60	.63	.69	.73	.74	.74	.75	.83	.92	July 13	.24	.33	.36	.39	.40	.43	.48	.49	.50	.52	.54
Aug. 22	.18	.26	.36	.57	.65	.72	.78	.80	.80	.80	.80	July 28	.25	.32	.46	.48	.50	.52	.52	.53	.53	.53	.53
Sept. 17	.22	.37	.53	.57	.69	.79	.83	.84	.85	.85	.87	Sept. 13	.13	.22	.32	.52	.60	.73	.81	.88	.90	.94	.99
Sept. 18	.19	.34	.54	.61	.66	.72	.82	.93	.98	1.24	1.34	Sept. 18	.34	.39	.45	.46	.48	.50	.53	.53	.53	.53	.53
Grand Rapids, Mich.:																							
Mar. 16	.22	.34	.50	.59	.60	.61	.62	.66	.66	.71	.84	Sept. 18	.25	.35	.52	.68	.74	.75	.75	.76	.76	.80	.86
May 11	.15	.25	.43	.47	.50	.50	.53	.64	.79	.86	.86	Charles City, Iowa:											
May 29	.29	.56	.74	.79	.80	.80	.80	.80	.80	.80	.80	May 29	.21	.35	.60	.62	.70	.72	.72	.72	.72	.72	.72
June 18	.31	.43	.53	.59	.65	.70	.73	.75	.75	.75	.75	May 31	.56	.81	.98	1.01	1.05	1.06	1.07	1.09	1.14	1.14	1.19
June 16	.22	.34	.39	.43	.48	.50	.55	.57	.58	.59	.59	June 28	.25	.50	1.00	1.44	1.82	2.16	2.22	2.24	2.27	2.33	2.39
July 28	.27	.50	.87	1.17	1.22	1.22	1.25	1.28	1.30	1.33	1.33	July 9	.36	.70	1.16	1.33	1.37	1.41	1.42	1.43	1.43	1.43	1.43
Aug. 2	.34	.50	.61	.62	.64	.64	.64	.64	.64	.64	.64	July 13	.18	.32	.52	.61	.68	.69	.69	.69	.69	.69	.69
Aug. 27	.28	.46	.57	.59	.60	.60	.61	.78	.80	.81	.81	July 13	.14	.27	.49	.55	.63	.70	.72	.73	.73	.73	.73
Sept. 7	.32	.51	.79	.87	.92	.94	.97	1.02	1.04	1.30	1.52	July 15	.31	.41	.47	.47	.58	.82	.86	.86	.86	.86	.86
Sept. 19	.20	.35	.47	.51	.52	.53	.53	.53	.53	.53	.53	July 18	.18	.35	.59	.64	.64	.65	.66	.68	.68	.68	.68
Lansing, Mich.:																							
May 15	.31	.41	.45	.50	.54	.59	.62	.63	.63	.64	.64	July 30	.28	.45	.59	.68	.74	.86	.97	1.02	1.12	1.28	1.37
May 29	.24	.43	.62	.66	.67	.67	.67	.67	.67	.67	.67	Aug. 1	.34	.45	.46	.46	.46	.48	.48	.48	.48	.48	.48
May 31	.32	.37	.49	.57	.60	.66	.70	.72	.78	.82	.83	Sept. 13	.36	.47	.51	.54	.70	.71	.71	.71	.89	.91	
June 1	.19	.33	.43	.50	.55	.57	.59	.59	.60	.61	.62	Sept. 17	.30	.49	.51	.52	.54	.56	.62	.63	.64	.65	.65
June 20	.38	.60	.67	.85	.99	1.02	1.40	1.70	1.76	1.76	1.77	Oct. 3	.52	.69	.70	.81	.97	1.00	1.02	1.04	1.10	1.18	1.26
July 28-29	.23	.25	.40	.45	.72	.73	.75	.96	.80	.84	.90	Burlington, Iowa:											
Aug. 22	.21	.33	.38	.43	.49	.56	.58	.58	.73	.73	.73	June 5	.33	.57	.96	1.20	1.28	1.29	1.29	1.29	1.30	1.30	1.30
Sept. 9	.25	.26	.26	.26	.28	.29	.29	.29	.29	.29	.29	June 11	.43	.67	.92	1.14	1.17	1.18	1.19	1.19	1.20	1.21	1.22
Marquette, Mich.:																							
Apr. 30	.23	.35	.51	.61	.61	.61	.62	.62	.68	.68	.69	July 7-8	.50	.76	1.04	1.11	1.14	1.17	1.18	1.19	1.20	1.21	1.21
July 18	.37	.59	.85	.91	.95	1.17	1.32	1.37	1.38	1.39	1.39	Aug. 27	.16	.26	.43	.67	.75	.75	.76	.76	.76	.76	.76
Chicago University Observatory, Ill.:																							
Mar. 16	.21	.27	.34	.34	.45	.45	.45	.45	.46	.49	.52	Sept. 7	.24	.36	.50	.54	.64	.72	.80	.86	.87	.92	1.01
May 11	.31	.39	.42	.45	.45	.46	.46	.46	.46	.46	.48	Sept. 9	.28	.35	.40	.45	.48	.49	.50	.50	.50	.50	.50
May 31	.25	.41	.78	.91	1.26	1.35	1.35	1.35	1.35	1.37	1.40	Sept. 13	.27	.53	.80	.93	.94	.94	.94	.94	.94	.94	.94
July 3	.34	.57	.78	.81	.82	.82	.82	.82	.82	.82	.82	Davenport, Iowa:											
Aug. 22	.33	.49	.49	.49	.49	.49	.49	.49	.49	.49	.49	June 9	.26	.38	.42	.44	.45	.45	.49	.54	.55	.57	.58
Sept. 15	.28	.35	.40	.49	.54	.66	.68	.68	.68	.68	.68	July 5	.55	.75	.82	.84	.86	.96	1.25	1.34	1.56	2.02	2.28
Green Bay, Wis.:																							
May 29	.35	.60	.83	.93	1.05	1.25	1.28	1.29	1.31	1.31	1.32	July 13	.20	.30	.45	.49	.51	.51	.51	.51	.52	.62	.65
June 11	.27	.38	.64	.79	.81	.82	.91	.91	1.15	1.22	1.31	July 26	.27	.50	.81	.95	1.32	1.42	1.49	1.69	1.72	1.73	1.73
June 28	.25	.45	.53	.77	.83	.88	.88	.88	.88	.88	.88	Sept. 8	.37	.53	.55	.56	.56	.56	.56	.57	.57	.57	.57
Milwaukee, Wis.:																							
May 31	.16	.28	.36	.38	.45	.46	.47	.47	.48	.48	.48	Sept. 16	.29	.37	.45	.48	.51	.56	.57	.58	.58	.58	.58
June 1	.16	.31	.40	.41	.41	.42	.42	.43	.43	.43	.43	Sept. 18	.31	.49	.65	.71	.81	.84	.87	.88	.88	.88	.88
June 11	.21	.26	.44	.54	.55	.55	.55	.55	.55	.55	.55	Des Moines, Iowa:											
July 28	.26	.50	.77	1.00	1.26	1.39	1.43	1.47	1.59	1.64	1.67	June 10	.38	.61	.99	1.18	1.48	1.59	1.63	1.81	1.94	1.97	1.97
Aug. 1	.32	.43	.75	.85	1.03	1.05	1.15	1.19	1.49	1.57	1.58	June 11	.14	.25	.35	.48	.71	.74	.75	.77	.77	.78	.78
Aug. 6	.59	1.03	1.57	1.67	1.70	1.72	1.72	1.73	1.73	1.73													

TABLE 14.—Maximum precipitation for stated intervals during 1942 at all stations furnished with self-registering gages—Continued

Stations and dates		Maximum amounts of precipitation, inches (5 to 180 minutes)											Stations and dates		Maximum amounts of precipitation, inches (5 to 180 minutes)										
		5	10	20	30	45	60	80	100	120	150	180			5	10	20	30	45	60	80	100	120	150	180
MISSOURI VALLEY																									
Columbia, Mo.:																									
Feb. 5	0.28	0.36	0.39	0.39	0.39	0.40	0.60	0.65	0.66	0.70	0.71														
Mar. 16	.33	.58	.85	.95	1.04	1.08	1.09	1.16	1.16	1.22	1.28														
May 2	.22	.33	.38	.40	.42	.43	.43	.43	.48	.52	.52														
May 9	.30	.46	.63	.68	.74	.77	.78	.78	.78	.80															
June 6	.32	.37	.45	.45	.46	.46	.46	.46	.46	.46															
June 18	.20	.28	.43	.45	.48	.52	.55	.56	.58	.62	.63														
June 25	.28	.51	.81	1.05	1.31	1.38	1.43	1.57	1.62	1.68	1.88														
June 26	.21	.36	.52	.58	.60	.90	1.07	1.11	1.17	1.35	1.39														
July 9	.41	.79	1.17	1.45	1.73	1.88	1.93	1.93	1.98	2.01	2.02														
Aug. 2	.17	.32	.40	.47	.54	.55	.55	.56	.64	.84	.89														
Aug. 3	.21	.37	.53	.54	.56	.57	.58	.58	.58	.58	.58														
Aug. 8	.35	.50	.53	.53	.53	.53	.53	.53	.53	.53	.53														
Aug. 26	.30	.48	.65	.69	.70	.71	.71	.71	.73	.75	.76														
Nov. 9	.24	.44	.54	.70	.73	.74	.76	.76	.76	.76	.76														
Nov. 16	.27	.32	.40	.43	.49	.54	.57	.57	.57	.57	.57														
Kansas City, Mo.:																									
May 2	.22	.36	.37	.37	.37	.38	.44	.46	.62	.63	.68														
June 10	.32	.53	.96	1.20	1.25	1.25	1.25	1.27	1.27	1.28	1.28														
June 18-19	.31	.54	.90	1.13	1.27	1.29	1.34	1.38	1.41	1.48	1.58														
July 12	.23	.32	.36	.40	.47	.52	.59	.66	.72	.79	.80														
July 25	.28	.41	.46	.46	.47	.59	.64	.70	.88	.93	.96														
Aug. 2	.36	.58	.79	.83	.87	.89	.92	.99	1.00	1.00	1.00														
Aug. 26	.34	.62	.84	1.00	1.08	1.10	1.11	1.14	1.33	1.42	1.48														
Sept. 18	.22	.34	.51	.56	.58	.59	.59	.59	.59	.59	.59														
Nov. 9	.20	.30	.30	.33	.34	.35	.35	.35	.35	.36	.36														
St. Joseph, Mo.:																									
May 5	.21	.31	.34	.34	.35	.36	.36	.37	.40	.44	.50														
May 11	.22	.35	.42	.45	.47	.49	.50	.50	.50	.51	.56														
May 17	.62	1.06	1.26	1.38	1.53	1.55	1.56	1.57	1.57	1.60	1.61														
June 21	.21	.30	.43	.50	.52	.52	.52	.52	.52	.52	.59														
June 25	.13	.27	.40	.42	.63	.76	.82	.84	1.06	1.09	1.11														
Aug. 5-6	.22	.34	.47	.50	.52	.55	.59	.63	.64	.66	.70														
Sept. 14	.47	.60	1.15	1.80	2.09	2.09	2.09	2.09	2.09	2.09	2.09														
Sept. 18	.18	.36	.58	.61	.64	.67	.71	.80	.81	.81	.81														
Springfield, Mo.:																									
Apr. 17	.22	.33	.53	.58	.64	.68	.73	.75	.80	.82	.83														
June 10	.25	.46	.50	.59	.65	.73	.82	.82	.82	.82	.82														
July 20	.30	.42	.66	.91	.96	.99	.99	.99	.99	1.00	1.00														
Sept. 5	.28	.51	.67	.81	.97	.99	1.10	1.14	1.14	1.14	1.14														
Oct. 30	.38	.53	.64	.68	.76	.81	.84	.88	.90	.92	.94														
Dec. 26	.32	.39	.65	.77	.94	1.05	1.28	1.38	1.48	1.62	1.69														
Topeka, Kans.:																									
May 2	.20	.38	.56	.61	.89	1.20	1.22	1.23	1.23	1.23	1.34														
May 17	.24	.31	.39	.41	.51	.60	.63	.64	.64	.65	.65														
June 18-19	.47	.82	1.22	1.46	1.54	1.56	1.58	1.63	1.67	1.75	1.84														
July 12	.19	.29	.43	.51	.53	.53	.53	.54	.56	.58	.58														
July 25	.32	.51	.60	.67	.70	.70	.73	.77	.85	.88	.89														
Aug. 3	.17	.33	.52	.77	.99	1.25	1.30	1.35	1.38	1.44	1.46														
Aug. 26	.25	.37	.54	.55	.69	.81	.90	.97	.98	.98	.98														
Aug. 26	.36	.52	.85	1.02	1.24	1.28	1.28	1.28	1.29	1.30	1.30														
Sept. 2	.17	.30	.51	.64	.88	1.10	1.30	1.71	1.85	1.98	2.06														
Sept. 7	.43	.81	1.33	1.45	1.49	1.50	1.50	1.50	1.50	1.50	1.50														
Sept. 18	.22	.38	.47	.49	.49	.49	.49	.49	.49	.49	.49														
Oct. 3	.17	.28	.50	.64	.79	.88	1.30	1.53	1.64	1.77	1.80														
Lincoln, Nebr.:																									
Mar. 25	.14	.23	.42	.56	.68	.84	.97	.98	.99	1.01	1.10														
June 9	.39	.55	.56	.56	.56	.56	.56	.67	.88	.88	.88														
June 18	.27	.47	.68	.71	.72	.72	.77	.83	.88	.88	.88														
June 19	.27	.46	.64	.74	.86	.97	1.03	1.08	1.17	1.24	1.38														
June 28	.20	.37	.54	.54	.80	.80	.81	.81	.81	.81	.81														
July 7	.26	.40	.47	.52	.53	.65	.66	.66	.66	.66	.66														
July 24	.48	.93	1.63	2.04	2.25	2.33	2.36	2.36	2.36	2.36	2.36														
Aug. 5	.31	.47	.54	.59	.60	.63	.66	.68	.71	.75	.76														
Omaha, Nebr.:																									
June 19-20	.35	.67	1.28	1.80	2.24	2.44	2.60	2.68	2.74	2.89	3.07														
July 2	.36	.51	.61	.65	.65	.65	.66	.66	.67	.67	.67														
July 9	.38	.65	.92	.94	.95	.95	.95	.95	.95	.95	.95														
July 18	.37	.57	.92	1.14	1.39	1.40	1.40	1.41	1.41	1.41	1.41														
July 19	.34	.51	.53	.53	.53	.54	.54	.54	.54	.54	.54														
Aug. 5	.22	.42	.78	.98	1.09	1.11	1.14	1.17	1.20	1.25	1.28														
Valentine, Nebr.:																									
May 29	.37	.64	.78	.80	.81	.84	.86	.87	.92	.96	.96														
July 8	.27	.34	.40	.42	.43	.43	.43	.43	.43	.43	.43														
July 10	.23	.40	.70	.98	1.23	1.27	1.29	1.29	1.30	1.33	1.37														
Aug. 7	.23	.33	.35	.36	.36	.36	.36	.36	.36	.36	.36														
Sioux City, Iowa:																									
June 18	.31	.57	.69	.74	.77	.79	.82	.86	.88	.88	.88														
June 19	.36	.58	.63	.64	.64	.64	.64	.64	.64	.64	.64														
June 25	.25	.30	.32	.33	.33	.33	.38	.42	.42	.42	.42														
July 29-30	.30	.46	.59	.61	.64	.64	.66	.68	.70	.71	.71														
Aug. 27	.27	.49	.70	.75	.88	.90	.92	.94	.94	.94	.95														
Sept. 11	.47	.63	.74	.87	1.03	1.16	1.17	1.17	1.17	1.17	1.22														
Huron, S. Dak.:																									
Apr. 30	.38	.44	.56	.58	.68																				

TABLE 14.—Maximum precipitation for stated intervals during 1942 at all stations furnished with self-registering gages—Continued

Stations and dates	Maximum amounts of precipitation, inches (5 to 180 minutes)											Stations and dates	Maximum amounts of precipitation, inches (5 to 180 minutes)										
	5	10	20	30	45	60	80	100	120	150	180		5	10	20	30	45	60	80	100	120	150	180
ISLAND POSSESSIONS												ISLAND POSSESSIONS—continued											
Honolulu, T. H.:												San Juan, P. R.:											
Apr. 5	0.16	0.28	0.43	0.46	0.49	0.52	0.53	0.55	0.55	0.55	0.55	Jan. 1	0.38	0.69	1.23	1.27	1.29	1.59	1.96	1.98	1.98	2.11	2.24
Oct. 29	.33	.48	.57	.60	.62	.66	.71	.80	.82	.85	.90	June 3	.39	.54	.67	.72	.77	.79	.82	.83	.85	.85	.92
Oct. 29	.19	.33	.63	.75	.89	1.08	1.25	1.28	1.29	1.31	1.40	July 28	.22	.39	.69	.98	1.10	1.40	1.49	1.71	1.91	2.00	2.05
Dec. 1	.18	.23	.42	.43	.52	.62	.70	.74	.83	1.11	1.14	Aug. 13	.28	.52	.76	.86	.87	.87	.87	.87	.87	.87	.88
Dec. 6	.34	.59	.89	1.05	1.24	1.30	1.52	1.89	1.95	1.96	2.02	Nov. 28	.47	.87	1.35	1.42	1.46	1.48	1.50	1.51	1.52	1.52	1.62
Dec. 8	.35	.55	.73	.85	.90	.92	.94	.95	.98	1.18	1.24												

¹ Estimated.² Not obtainable.

NOTE.—The following stations had no excessive precipitation during the year 1942: Upper Lake Region, Alpena, Mich.; Northern Slope, Lander and Sheridan, Wyo.; Helena and Kalispell, Mont.; Southern Slope, El Paso, Texas, and Phoenix, Ariz.;

Middle Plateau, Ely, Reno, and Winnemucca, Nev.; Grand Junction, Colo. and Salt Lake City, Utah.; Northern Plateau, Pocatello, Idaho, Baker, Oreg., and Spokane and Yakima, Wash.; North Pacific Coast, Portland and Roseburg, Oreg., North Head, Seattle, and Tacoma, Wash.; Middle Pacific Coast Region, Eureka, Sacramento, and San Francisco, Calif.; South Pacific Coast Region, Fresno, Los Angeles, and San Diego, Calif.; and in Alaska, Anchorage, Ketchikan, Juneau, and Nome.

MONTHLY AND ANNUAL EVAPORATION, 1942

The monthly and annual amounts of evaporation during the year 1941 appear in table 15 below. The number of these reports at the present time is small, records appearing from a little more than half of the States.

The evaporation measurements are all made from cy-

lindrical pans, 4 feet in diameter, 10 inches deep, placed on framework laid on the ground, and exposed as far as possible to full sunshine. A description of equipment and methods of observation appeared in the MONTHLY WEATHER REVIEW of December 1916, pages 674 to 677.

TABLE 15.—Monthly and annual evaporation, in inches, at class A stations for 1942

Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
ALABAMA													
Fairhope	1.99	2.05	3.17	4.61	6.13	5.58	5.62	5.12	4.40	3.60	2.40	1.60	46.27
ARIZONA													
Bartlett	4.71	4.62	7.58	9.47	15.24	17.62	17.42	14.85	12.74	9.16	6.77	4.19	124.37
Mesa	2.78	3.19	5.99	6.53	10.32	11.52	11.52	9.17	8.18	6.21	3.87	2.61	81.89
Roosevelt	1.75	2.64	4.65	7.16	11.66	14.34	13.97	11.89	9.38	6.16	3.32	1.81	88.73
Safford	2.22	2.79	5.30	7.21	9.65	10.66	10.16	8.55	6.16	4.71	3.21	1.87	72.49
Sierra Ancha	2.27	2.40	4.74	5.95	9.31	10.86	10.20	8.44	8.18	5.10	3.69	1.97	73.11
University of Arizona (Tucson)	2.08	2.27	5.66	7.29	11.22	12.75	11.45	9.04	7.63	5.00	2.63	1.76	78.78
Yuma (citrus)	4.56	4.76	7.80	9.58	13.20	14.46	16.49	13.90	11.26	8.11	5.16	3.91	113.19
ARKANSAS													
Batesville ¹	1.93			7.43	6.53	7.40	9.12	6.30	5.43	4.27	3.28		
Hope		2.47	4.60	4.44	5.82	6.08	8.41	7.14	4.41	4.00			
Mena (Irons Ford)	.71	1.19	3.06	3.84	3.89	3.38	4.68	3.80	2.91	2.07	1.45	.60	31.58
Russellville	2.49	1.76	4.44			5.89			4.60	3.63	2.24		
Stuttgart	1.08	1.51	3.62	4.52	5.32	5.70	7.41	5.18	4.04	3.35	2.46		
CALIFORNIA													
Alvarado ²	1.27	2.28	3.91		9.72	12.10	16.25	12.90	10.40	7.62		5.06	100.85
Beaumont	4.82	3.90	6.83	4.73	6.09	8.86	10.96	9.52	7.11	4.36			
Boca					7.31	6.66	7.70	7.10	6.05	4.93	3.09	2.43	61.45
Chula Vista	2.62	3.19	5.15	5.22	6.84	10.30	10.95	9.40	7.59	4.97	1.84	.81	64.33
Davis	1.76	2.00	4.01	3.86	5.85	8.93	11.07	9.90	6.18	3.88	1.24	.73	
Fall River Mills		1.42	3.11	4.29	9.15	14.59	17.06	14.64	9.73	6.75	2.26	.84	86.13
Friant (Government Camp)	1.06	1.88	3.66	4.51	7.43	10.86	11.57	8.32	6.96	4.34	1.90	.68	62.36
Lodi	.89	1.79	3.66	3.96	13.31	19.56	18.86	17.32	12.64	8.92	5.22	3.80	121.79
Mojave (Backus Ranch)	2.88	4.04	6.98	8.26	6.82	9.00	9.33	7.78	5.88	4.22	2.07	1.09	
Newark					7.08	12.43	14.85	11.95	8.37	5.24	2.02	.78	73.38
Oakdale	.88	1.74	3.49	4.55		3.86	4.66	4.82	3.07	1.40			
Tahoe					5.70	9.73	11.78	9.63	7.04	4.64	1.28	.84	58.88
Valley Springs (Camp Pardee)	.75	1.41	2.96	3.12									
COLORADO													
Conejos Dam						10.69	6.83	6.80	7.60	4.30			
Caddoa (John Marton Dam) ³				6.24	10.66	7.65	10.43	9.46	6.83	4.12			
Montrose	1.10		2.32	4.58	7.88	9.73	10.40	8.81	6.96	3.97	2.18		
Pueblo ⁴			4.44	6.87	9.74	9.50	11.55	9.26	6.64	4.84	3.61		
Wagon Wheel Gap						9.89	8.30	6.60	6.79	3.78			
FLORIDA													
Belle Glade	2.93	3.70	5.80	6.61	7.33	5.64	7.67	6.31	5.25	5.64	4.08	3.06	61.02
Big Cypress	3.01	3.44	5.26	6.04	7.35		7.20			5.00	3.52	2.78	
Hialeah	3.34	4.39	5.74	7.45	7.64	6.03	7.64	7.28	5.65	5.82	4.43	3.59	69.00
Hiawassa Experiment	3.13	3.72	5.46	6.61	7.31	6.82	8.34	6.57	5.31	5.31	3.96	2.94	65.48
Loxahatchee (near)	3.32	3.60	5.48	6.43	6.88	5.14	7.59	7.64	6.29	5.74	4.25	3.10	65.46
Miami (near)	3.31	4.47	5.68	6.72	7.18	6.58	7.28	7.48	7.20	5.84	4.17	3.74	69.65
GEORGIA													
Experiment	2.53	1.88	4.96	6.60	7.06	7.72	7.96	7.00	5.81	4.60	3.31	1.88	61.31
Tifton	2.60	2.43	5.18	6.43	7.23	6.26	7.26	6.40	4.87	4.13	2.81	1.82	57.42
HAWAII													
Pahala	4.66	5.49	5.06	5.55	6.18	6.46	6.85	6.38	5.80	5.26	4.49	3.98	66.16
Wainae	4.97	4.89	6.40	7.08	7.36	8.12	7.89	8.27	6.46	6.03	4.21	3.47	75.15
IDAHO													
Aberdeen				4.64	4.81	8.51	10.17	8.11	5.33	2.85			
Arrowrock						7.24	11.57	10.45	6.68	3.04			
Lifton				3.58	5.16	8.29	10.89	9.64	6.02	3.09			
Milner Dam				4.75	4.78	7.57	10.40	8.71	6.18	3.65			
Moscow				3.58	3.55	4.79	7.71	7.30	3.67				

See footnotes at end of table.

TABLE 15.—Monthly and annual evaporation, in inches, at class A stations for 1942—Continued

Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
ILLINOIS													
Lake Springfield			3.99	4.98	5.77	5.88	8.43	6.16	5.36	3.76	2.35	1.72	
INDIANA													
Indianapolis					4.83	4.94	6.91	5.27	3.83				
IOWA													
Ames				6.81	5.99	6.61	7.89	6.79	3.82	3.41	1.79		
Cherokee				5.99	5.38	6.10	8.31	6.77	3.49	3.14	1.74		
Clarinda				7.08	5.86	6.94	8.33	7.84	4.56	4.54			
Iowa City				6.01	5.51	5.82	6.97	6.04	3.80	3.25			
KANSAS													
Hays				6.68	10.20	9.02	15.34	12.13	7.66	5.80			
Manhattan (Agronomy Farm)				7.12	8.21	7.98	10.10	8.10	6.22	4.20			
Tribune				6.16	8.60	7.09	9.98	9.24	6.53				
KENTUCKY													
Eadsville (Lock No. 21 Cumberland R.)				3.90	4.48	6.16	5.88	4.26	3.03	2.18	1.66		
LOUISIANA													
Hackberry	3.28	3.19	4.56	6.75	8.43				7.54	6.19	4.17	2.97	
MARYLAND													
Beltsville					5.78	6.23	6.80	4.59	4.05	2.74			
MICHIGAN													
Germfask					4.61	5.45	6.10	5.23	2.76	1.97			
MISSISSIPPI													
Vicksburg	1.62	1.91	3.63	4.81	5.84	6.14	7.01	5.85	4.94	3.89	2.67	1.72	50.03
MISSOURI													
Lakeside		1.02	3.99	6.23	6.58	5.16	7.37	6.05	4.51	3.29	2.52	.56	
Washington University (St. Louis)	.80		2.96	4.67	5.47	4.95	6.58	5.36	4.07	2.83	1.79		
MONTANA													
Agricultural College				3.67	4.38	4.92	7.49	7.00	3.50	2.07			
Fort Peck					5.85	7.20	9.15	7.92	4.11				
Malta					4.93	5.66	6.74	5.49	3.58	3.11			
Sherburne Lake					4.28	4.34	6.62	5.27	3.49				
Valier					5.57	4.67	7.44	7.16	6.14				
NEBRASKA													
Bridgeport				5.39	7.35	6.05	7.93	6.72	4.10	3.09			
Kingsley Dam					5.57	6.34	9.68	7.75	4.94				
Lincoln				6.06	5.60	6.79	9.38	7.99	4.30	3.61			
NEVADA													
Boulder City	3.71	4.71	7.86	11.13	14.77	18.76	17.41	14.14	12.59	8.17	5.71	3.63	122.59
Lahontan				8.52	11.20	14.08	17.44	16.02	9.88	5.76			
Lamoille					4.73	7.33	11.72	10.24	7.86	4.30			
Ruby Lake						12.43	14.94	10.69	7.96				
Rye Patch Dam				6.31	7.20	11.78	16.49	14.81	9.54	6.03			
NEW HAMPSHIRE													
Massabesic Lake					4.27	5.25	5.94	5.12	3.48	2.67			
NEW JERSEY													
Canoe Brook					4.07	3.66	5.06	4.25	2.84	1.23			
Pleasantville				4.96	6.50	6.08	7.12	4.58	4.11	2.76	1.79		
Runyon					5.87	5.58	5.42	4.54	3.52	2.04	2.22		
NEW MEXICO													
Agricultural College	2.97	4.24	7.31	9.00	12.19	14.67	11.86	9.46	8.09	6.01	4.80	3.05	93.65
Alamogordo Dam	2.90	4.32	8.08	9.32	12.89	12.90	13.08	10.09	7.61	5.68	5.82	3.40	96.09
Caballo Dam			9.56	11.79	17.21	18.81	14.73	9.98	8.18	6.14	5.27	2.98	
Conchas Dam				7.73	12.63	12.71	12.31	9.72	7.69	5.50	5.68	2.54	
Eagle Nest					8.60	8.18	6.85	6.72	6.17	4.37			
Elephant Butte	3.18	5.34	8.36	10.59	16.67	18.29	15.56	10.48	8.63	7.06	6.14	3.43	113.73
El Vado Dam					9.66	10.59	9.68	8.33	7.31	5.77			
Farmington		1.28	3.20	5.37	7.99	7.35	6.28	5.30	5.69	3.29	1.95	.62	
Florida				7.98	10.22				7.26	6.70			
Jornada	2.42	4.00	6.80	9.14	13.22	14.88	12.55	9.55	7.65	5.80	4.72	2.57	93.30
Lake McMillan	2.68	4.94	8.89	7.70	13.50	14.00	13.88	10.93	7.69	5.98	5.94	4.27	100.40
Las Vegas					11.25	10.70	7.98	6.35		3.31			
NEW MEXICO													
Navajo				6.36	11.85	16.07	15.35	10.52	10.72	7.04			
Portales			8.85	7.75	12.10	12.73	11.83	10.46	6.46	5.30	4.74	2.88	
Roswell No. 2		3.28	6.44	7.08	10.61	11.31	10.34	7.55	5.96	4.17	3.63	2.91	
NEW YORK													
Alcove Dam					4.36	4.44	5.75	4.39	3.35	2.61			
Ithaca					4.45	5.02	5.72	4.42	3.16	2.55			
New York University							6.75		3.67	3.01			
NORTH CAROLINA													
Chapel Hill		1.16	3.25	4.38	3.70	4.53	4.47	4.07	3.01	1.52	1.20		
OHIO													
Charles Mill Dam				4.16	4.54	5.56	6.74	5.19	4.05				
Dayton				4.44	5.15	6.15	6.88	5.05	4.22	2.44			
Ohio State University				3.99	4.35	4.33	5.00	3.90	3.54	1.91			
Seneca ville				4.69	5.34	5.78	6.15	4.38	3.63	2.50			
Wooster							6.11	5.34					

See footnotes at end of table.

TABLE 15.—Monthly and annual evaporation, in inches, at class A stations for 1942—Continued

Stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
OKLAHOMA													
Fort Supply Dam				7.63	11.30	11.15	12.43	10.52	7.05	4.22			
Grand River Dam			5.86	6.83	7.30	7.11	9.58	7.74	5.80	3.55	3.58	1.21	
Norman			5.59	4.75	6.94	7.00	9.17	7.00	4.91	3.45	2.89		
Stillwater ⁸				4.83	7.70	8.81		7.26	5.52	3.78			
Tipton					11.14	11.87	13.05	10.01	7.21	4.58	4.16		
OREGON													
Corvallis				2.65	2.76	3.36	5.49	6.00	4.29				
Medford			2.55	4.35	4.24	6.60	8.92	7.80	4.95	2.15	.67	.22	
Warm Springs Reservoir				4.37	5.07	7.65	11.04	9.12					
Wickiup Dam				3.00	4.38	6.80	9.53	8.71	5.98	2.62			
PENNSYLVANIA													
Pymatuning Dam					4.81	4.82	5.84	4.39	3.38	2.12			
Shaver Creek					5.04	4.15	5.85	4.19	3.36	2.35			
Wallenpaupack					4.90	4.70	5.54	4.05	3.77	2.14			
PUERTO RICO													
Mayaguez	3.75	4.68	5.40	5.28	5.39	4.73	4.15	4.30	3.81	4.46	3.35	3.90	53.20
San Juan	5.46	5.91	7.18	6.87	6.65	5.98	7.42	7.00	6.19	6.18	4.99	5.90	75.73
TENNESSEE													
Lock A		2.68		4.88	5.98	6.78	6.93	5.33	4.39	3.23	2.38	.62	
TEXAS													
Austin ⁹	2.43	2.72	5.27	4.19	4.96	7.17	6.39	11.30	5.86	4.32	4.08	2.66	61.35
Balmorhea	2.48	3.52	6.04	7.10	9.22	10.12	10.40	7.04	6.34	4.65	4.42	3.10	74.43
Dennison Dam	3.42		6.68	5.72	6.42	8.62	9.52	8.91	5.70	4.53	3.61	1.96	
Dilley	3.18	2.90	6.84	5.65	6.53	10.04	8.65	10.00	5.81	4.32	3.70	3.56	71.18
Fort Stockton	3.78	5.73	10.89	10.82	12.97	13.07	13.04	7.66	7.36			4.12	
Grand Falls		5.02	8.71	10.56	13.00	15.50	15.13	12.19	8.17	6.54	6.08	3.98	
Red Bluff Falls	3.15	5.28	8.55	10.19	13.52	15.08	15.07	11.01	9.51	6.54	6.19	4.28	108.37
Ysleta	3.45	4.61	8.21	10.81	13.90	14.68	12.16	9.39	7.78	5.72	5.03	2.83	98.57
UTAH													
Bear River Game Refuge								10.76	7.09				
Moon Lake							8.59	8.36	6.03				
Myton							7.04	6.43	5.69	3.71			
Piute Dam						11.83	11.24	9.10	7.88				
Utah Lake			2.48	6.30	7.45	10.49	10.90	10.31	7.52	4.29	1.80		
VIRGIN ISLANDS													
St. Croix	5.24	5.41	7.50	5.97		6.15			5.52			4.40	
WASHINGTON													
Beverly (near)				6.94	6.92	9.83	13.88	14.00	9.40	4.60			
Kachess Lake				2.90	3.33	3.96	6.81	6.68	4.43				
Othello				5.66	5.86	9.43	13.17	12.77	8.08	3.66			
Quincy (near)				6.64	6.21	9.28	13.66	13.74	8.97				
Seattle (Maple Leaf)		.71	1.96	3.30	3.92	4.20	6.55	5.82	3.48	1.56	.76	.16	
Walla Walla			3.04	4.69	5.23	6.79	9.13	9.71	6.15	2.92			
Wind River				2.90	3.05	4.27	5.72	5.22	3.65	1.55			
WEST VIRGINIA													
Clarksburg				4.53	4.85	5.02	3.68	2.60	1.74				
Wardensville				5.38	5.55	6.65	4.80	3.84	2.96				
WISCONSIN													
Marshfield				4.95	5.48	5.93	5.31	4.39	3.70				
Trempealeau				5.28	6.57	7.46	6.50	4.05	3.92				

¹ Station established Sept. 1, 1940. Station closed Mar. 31, 1942. Moved to Bethesda.² Station moved to new location at Newark Apr. 18, 1942.³ Station established June 7, 1940.⁴ Station established July 14, 1941.⁵ Station name changed from Keystone Dam to Kingsley Dam.⁶ Station established July 1, 1940.⁷ Station established May 5, 1942.⁸ Station established Aug. 16, 1941.⁹ Station moved from Capitol Grounds to Municipal Airport on Aug. 1, 1942.

ANNUAL METEOROLOGICAL SUMMARIES, 1942

MONTHLY AND ANNUAL METEOROLOGICAL SUMMARIES FOR 190 STATIONS FOR 1942

EXPLANATION OF THE TABLES

For a detailed account of the method of reducing the observed barometric pressures the reader is referred to the report on the barometry of the United States, Canada, and the West Indies, to be found in the Annual Report of the Chief of the Weather Bureau, 1900-1901, volume II; also see Article entitled "Adjustment of Airport Station Pressure Records to Old City Station Elevation" and tables, pages 33 to 35, UNITED STATES METEOROLOGICAL YEARBOOK, 1939.

Attention is called to the fact that the pattern of the Annual Meteorological Summary Tables has in many respects been modified and differs from the fixed arrangement adhered to in years previous to 1930. This change largely came about to make available to investigators additional information accrued by increasing the number of daily observations from two or three to a uniform system of observations at 6-hour intervals, 1:30 and 7:30 a. m. and p. m., 75th meridian time.

Pressure.—Two mercurial barometers of the well-known Fortin cistern pattern, or a modified form thereof, are furnished each station. One of these, the station barometer, is used in making all regular observations; the other, the extra, is held in reserve for use in case of emergency, except that quarterly comparative readings are made on the two instruments for purpose of check upon the deterioration of either instrument.

Each barometer, before issue to station, is compared with the substandard at Washington, and a certificate-of-correction card furnished showing the several constant corrections that must be applied to the readings of the instrument in order to derive therefrom the actual pressure of the air in standard units at a specified elevation. Each observation as made, therefore, is corrected by the application of the following:

- (1) Correction of scale error, capillarity, etc.
- (2) Correction to standard gravity, comprising both latitude and altitude terms.
- (3) Correction for removal—a correction applied if any change has been made in the elevation of the barometer, to reduce the readings to the elevation adopted in 1900. (However, at very few stations the elevation of 1900, or the original elevation of a station opened since 1900, has been replaced as the "station elevation" by an actual elevation since established.)

Corrections 1, 2, and 3 are constant for any one station and are combined in a single sum.

- (4) Correction for the temperature of the scale and mercurial column.

In the pressure columns of this part the values presented are those at the station elevations of the barometer cisterns, which are at various heights above the ground level, but usually less than 100 feet. On the other hand, daily weather maps and most other pressure data issued by the Bureau indicate sea-level pressures.

The monthly mean pressures given in the summary are deducted from the corrected observations of pressure at

7:30 a. m. and 7:30 p. m., seventy-fifth meridian time, by taking the mean thereof and applying thereto a correction to reduce to the mean of 24-hourly observations. At Alaskan stations the mean is printed uncorrected. The extremes are determined, wherever possible, from the barograph trace.

Temperature.—The temperature of the air at 1:30 and 7:30 a. m. and p. m., seventy-fifth meridian time, is obtained by the use of the whirled dry-bulb thermometer. The latter is part of the whirled psychrometer and is mounted in the thermometer shelter adopted in 1885.

The maximum temperature is obtained by the use of the Negretti and Zambra mercurial thermometer, having a constriction in the bore of the tube below the scale. The minimum temperature is obtained by the use of the ordinary Rutherford alcohol minimum thermometer. Both instruments are read once or more daily. The extremes given in the summaries are for the civil day, midnight to midnight, normal standard time. The monthly means have been obtained by dividing the sum of the mean maximum and mean minimum temperatures by 2.

Moisture.—The snow caught and retained in the gage is melted and measured as water. No correction is applied for snow that is lost out of the gage by the eddying action of the wind; consequently, in some cases the record is less than would be given if the observer had measured cylinders of snow cut from the spots representing the average snowfall on the ground. When it is known that the catch of the snow gage is markedly at fault, an independent ground measurement is made and used as the official record. The loss of both rain and snow caused by high winds, from gages exposed on the roofs of tall buildings in which some of the regular stations of the Weather Bureau are located, is undoubtedly larger than is the case at the cooperative stations where the gages are located in the open country and near the ground, but this loss does not appear to be sufficient to make the monthly sums derived from these two classes of stations wholly inconsistent with each other.

By the maximum precipitation in 24 hours is meant the greatest measurement for any 24 consecutive hours; it does not refer to the rate of rainfall for 24 hours, as deduced from short, heavy showers.

The number of days with precipitation amounting to 0.01 and 0.04 inch, respectively, relates to the rainfall from midnight to midnight, standard of time in local use. No record is made of deposits of dew.

The total snowfall column presents the depth as unmelted snow. The month in this instance runs from the last observation of the preceding month to the last observation of the month itself.

The cloudiness recorded in the summaries is derived from personal observations. The proportion of sky covered by clouds from sunrise to sunset is estimated by the observer on a scale of 0-10.

The monthly means of the dew point and relative

humidity are given as computed directly from the original daily observations.

The rain gages used at the regular Weather Bureau stations have a circular catchment area of about 8 inches diameter, and the snow, hail, or sleet caught within them is melted and measured as water. The rain gage proper is set within an enclosing cylinder, which serves as an overflow attachment in the case of heavy rains and as a snow gage in the winter season.

The sum total of the depth of rain and melted snow is measured to within 0.01 inch at time of daily observations. The total precipitation is determined from the amounts recorded daily, midnight to midnight, standard of time in local use.

The number of days that were clear, as given under "Number of days, etc.," includes those on which the daylight cloudiness was 0-, 1-, 2-, or 3-tenths; the days partly cloudy were those on which the daylight cloudiness was 4-, 5-, 6-, or 7-tenths; the cloudy days were those having 8-, 9-, or 10-tenths of cloudiness during daylight.

Wind.—The direction and velocity of the wind are recorded at nearly all the stations on what is known as the "triple register." On these instruments the direction of the wind is recorded every minute. The maximum velocities given are for 5-minute periods.

Beginning with January 1, 1932, the Weather Bureau began the practice of applying corrections to all records of wind velocity obtained from rotating cup anemometers. Correction tables for both three-cup and four-cup anemometers having been made available to stations and hence values furnished to the public are on a comparable basis, regardless of the particular instrument employed.

Number of days.—The number of days with hail includes all of those on which at least a trace of hail fell.

The number of days with light, moderate, thick and dense fog includes all of those on which fog occurred according to the following classifications: Light fog, horizontal range of visibility is not less than $\frac{3}{8}$ mile (3,300 feet); moderate fog, horizontal range of visibility lies within the limits, $\frac{5}{16}$ mile (1,650 feet) to (but not including) $\frac{3}{8}$ mile; thick fog, horizontal visibility lies within the limits, $\frac{1}{8}$ mile (1,000 feet) to (but not including) $\frac{5}{16}$ mile (1,650 feet), and dense fog, horizontal visibility is reduced to less than $\frac{1}{8}$ mile (1,000 feet).

Time.—In this part the time indicated is seventy-fifth meridian time, except in a few instances where footnotes specify otherwise.

References and abbreviations.—H=official elevation of station=height of the ground above sea level at station; H_b =height of barometer cistern above mean sea level on January 1, 1900, or when the station was established, if it was established since January 1, 1900, that being the elevation to which all previous readings have been reduced. It is designated as the "station, or adopted elevation." At almost all stations where a change has been made in the elevation of the barometer since January 1, 1900, a corresponding correction has been applied to the observed reading, thereby reducing all values to the "station, or adopted elevation." The actual elevation and the station, or adopted elevation, are identical, except at stations where the barometer has been moved since January 1, 1900, H_t =height of thermometer above ground; H_r =height of rain gage (top) above ground; H_a =height of anemometer (cups) above ground.

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942

ABILENE, TEX.
Airport [$\phi=32^{\circ}26' N.$; $\lambda=99^{\circ}41' W.$]

Month	Pressure				Temperature (° F.)														Moisture									
	Mean		Extremes		Mean														Extremes									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity					
Maximum			Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.						7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly		
	In. (1)	In.	In. (1)	In. (1)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%	
January	28.36	30.21	28.77	27.85	37.2	33.5	47.9	45.9	33.2	30.5	39.4	38.3	54.6	31.4	43.0	79	11	28	26	29	28	28	69	74	50	51	61	
February	28.15	29.98	28.62	27.71	43.3	40.0	53.2	54.5	38.2	35.8	43.4	43.3	60.4	37.8	49.1	82	15	31	30	31	29	30	62	67	44	39	53	
March	28.09	29.90	28.55	27.56	48.7	43.3	63.0	63.7	40.2	37.5	47.7	47.7	70.1	42.8	56.4	88	30	29	29	30	29	29	50	60	31	31	43	
April	28.09	29.87	28.48	27.74	59.0	56.4	70.8	70.3	54.8	53.5	60.6	59.4	76.9	55.2	66.0	90	38	51	51	53	52	52	78	83	58	56	69	
May	28.11	29.88	28.48	27.74	65.6	62.1	76.1	77.3	61.1	59.0	64.3	64.4	82.9	60.9	71.9	93	44	58	57	57	56	57	78	84	54	51	67	
June	28.07	29.82	28.40	27.80	73.5	70.2	85.1	85.4	68.0	66.8	71.2	71.3	91.4	69.8	80.6	106	60	65	65	64	65	65	77	85	52	52	66	
July	28.22	29.97	28.40	28.05	75.7	71.2	87.9	89.9	67.3	67.3	71.9	71.1	94.5	71.5	83.0	100	64	63	65	64	62	64	66	82	47	40	59	
August	28.15	29.90	28.34	27.98	76.2	72.2	86.8	86.8	69.2	68.5	72.8	71.9	93.6	72.5	83.0	103	68	66	67	67	66	66	73	84	53	53	66	
September	28.20	29.97	28.54	27.93	66.1	62.2	78.8	77.2	62.7	60.2	66.6	65.9	84.6	61.8	73.2	93	39	61	59	60	60	60	84	89	54	56	71	
October	28.19	29.98	28.48	27.82	57.7	55.4	71.2	67.2	54.7	53.1	60.0	58.8	75.6	53.1	64.4	87	35	52	51	53	54	52	83	87	54	62	72	
November	28.20	30.01	28.76	27.66	51.4	49.3	64.6	59.7	47.1	46.2	53.6	51.5	70.2	46.1	58.2	84	28	43	43	44	44	44	73	79	49	58	65	
December	28.22	30.05	28.57	27.74	42.1	39.4	52.9	48.1	39.0	37.1	44.9	42.8	59.3	36.2	47.8	76	26	36	34	37	37	36	78	81	58	68	71	
Year	28.17	29.96	28.77	27.56	58.0	54.6	69.9	68.8	53.0	51.3	58.0	57.2	76.2	53.3	64.7	106	11	49	48	49	48	49	73	80	50	51	64	

ALBANY, N. Y.
Airport [$\phi=42^{\circ}45' N.$; $\lambda=73^{\circ}48' W.$]

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ALBUQUERQUE, N. MEX.
Airport [$\phi=35^{\circ}03' N.$; $\lambda=106^{\circ}37' W.$]

January	25.15	30.16	25.48	24.75	32.9	27.6	40.7	44.0	27.8	24.5	32.8	34.2	49.6	24.4	37.0	63	9	20	19	22	21	20	56	68	45	38	52
February	24.94	29.90	25.22	24.66	33.0	27.8	40.6	43.9	27.1	23.8	32.3	33.5	48.4	24.1	36.2	63	7	17	16	20	17	18	49	61	44	36	47
March	24.97	29.89	25.29	24.52	39.8	32.5	48.6	52.7	32.0	27.9	36.9	38.6	56.7	29.9	43.3	69	17	20	20	22	20	20	46	60	35	29	42
April	24.94	29.78	25.24	24.56	51.6	44.7	60.1	63.7	42.8	39.5	46.4	47.5	68.0	41.6	54.8	78	34	34	34	33	32	33	54	67	39	34	49
May	24.97	29.77	25.28	24.66	59.9	51.3	70.1	76.4	44.8	41.2	50.4	51.6	79.4	49.5	64.4	93	36	29	30	32	28	30	31	45	25	17	30
June	24.99	29.73	25.33	24.81	72.0	61.5	81.3	87.5	52.1	48.1	56.7	57.9	90.1	59.5	74.8	97	50	34	35	38	35	35	28	40	23	18	27
July	25.13	29.88	25.36	24.97	73.5	65.9	84.8	89.3	57.9	55.6	61.8	60.9	93.4	64.2	78.8	100	55	48	48	48	42	46	42	55	29	20	36
August	25.09	29.84	25.26	24.90	70.6	64.7	80.2	82.3	60.9	58.3	63.0	61.7	88.6	65.0	75.8	94	58	56	54	54	50	53	60	70	41	34	52
September	25.08	29.88	25.36	24.85	64.5	58.7	73.6	77.4	53.8	51.2	57.0	56.9	81.4	55.9	68.6	89	45	45	45	45	41	44	53	62	39	31	46
October	25.07	29.92	25.35	24.70	54.9	48.4	63.0	65.0	45.2	42.9	49.3	49.3	69.9	45.7	57.8	82	33	36	38	37	35	36	51	68	42	36	49
November	25.07	29.98	25.49	24.70	44.3	38.2	53.2	55.6	36.0	33.0	41.2	42.0	62.0	34.2	48.1	71	24	26	26	28	26	26	47	61	37	32	44
December	25.08	30.04	25.35	24.62	37.3	32.6	43.3	45.7	33.1	29.8	36.7	37.7	51.8	29.9	40.8	68	22	28	26	29	28	28	69	76	58	52	63
Year	25.04	29.90	25.49	24.52	52.9	46.2	61.6	65.3	42.8	39.6	47.0	47.6	69.9	43.5	56.7	100	7	33	33	34	31	32	49	61	38	31	45

ALPEN, MICH.
[$\phi=45^{\circ}04' N.$; $\lambda=83^{\circ}26' W.$]

January	29.29	29.98	29.76	28.24	20.1	19.7	24.9	22.2	19.0	18.8	23.0	20.8	28.2	14.6	21.4	46	—8	16	17	19	18	17	84	87	76	82	82
February	29.37	30.06	29.81	28.76	18.2	16.9	22.7	21.3	17.3	16.2	20.9	20.1	25.5	12.5	19.0	39	—6	15	15	16	17	16	86	89	75	83	83
March	29.15	29.84	29.71	27.95	29.4	28.4	34.8	32.9	28.3	27.5	31.8	30.8	36.6	25.5	31.0	46	9	27	26	27	28	27	88	90	73	80	83
April	29.39	30.07	29.75	28.85	41.2	41.6	51.9	48.2	38.4	38.0	43.6	42.0	56.7	36.7	46.7	83	27	35	41	35	35	36	78	73	56	61	67
May	29.31	29.98	29.66	28.81	48.8	49.2	55.7	53.6	46.0	46.4	49.4	48.7	59.9	43.8	51.8	79	32	43	43	44	44	44	81	81	66	73	75
June	29.32	29.97	29.65	28.92	56.5	59.4	67.4	63.8	54.2	55.5	59.7	57.7	70.7	53.3	62.0	84	45	52	52	55	53	53	87	79	65	70	75
July	29.32	29.98	29.59	29.01	61.8	62.9	72.6	69.4	58.8	59.4	63.2	62.2	75.5	57.0	66.2	91	43	57	57	57	58	57	84	82	61	68	74
August	29.36	30.02	29.68	28.98	62.6	61.7	72.4	69.3	59.6	59.1	63.3	62.4	75.0	57.7	66.4	92	46	58	57	57	58	58	84	86	61	69	75
September	29.34	30.00	29.77	28.84	54.7	53.2	62.7	58.6	52.2	51.2	56.0	54.3	65.6	49.0	57.3	86	31	50	49	51	51	50	85	87	67	77	79
October	29.30	29.97	29.83	28.62	44.9	42.8	54.8	49.2	42.4	40.8	47.8	45.5	56.7	39.4	48.0	79	27	40	38	41	42	40	83	85	61	76	76
November	29.30	29.98	29.83	28.56	35.0	33.6	39.4	36.7	33.1	31.8	34.9	34.2	43.5	29.0	36.2	60	15	30	29	28	30	30	82	83	65	78	77
December	29.32	30.01	29.95	28.26	22.7	21.7	25.7	24.1	21.7	20.9	24.1	22.9	28.0	17.9	23.0	37	—5	20	19	21	20	20	87	89	81	85	85
Year	29.31	29.99	29.95	27.95	41.3	40.9	48.8	45.8	39.2	38.8	43.1	41.8	51.8	36.4	44.1	92	—8	37	37	38	38	37	84	84	67	75	78

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

ABILENE, TEX.

Airport [$H=1,752$ ft.; $H_b=1,753$ ft.; $H_t=4$ ft.; $H_r=2$ ft.; $H_a=41$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																		
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.		Thunderstorm		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below	
January	<i>In.</i> 0.08	<i>In.</i> 0.06	<i>In.</i> 0.1	5.5	<i>Mi.</i> 8.6	<i>s.</i>	<i>Mi.</i> 29	<i>s.</i>	0	9	9	13	3	1	4	1	0	0	0	0	0	3	0	0	14	0	1	
February	.58	.42	T	5.4	11.1	<i>s.</i>	30	<i>s.</i>	0	8	11	9	5	5	1	0	0	0	0	0	0	0	0	0	7	0	0	
March	.43	.18	T	4.6	12.2	<i>s.</i>	34	<i>se.</i>	1	13	8	10	5	2	3	2	0	1	0	0	0	0	0	0	4	0	0	
April	4.65	1.62	.0	5.5	12.1	<i>s.</i>	32	<i>nw.</i>	1	12	8	10	10	9	0	0	0	2	2	0	0	0	0	1	0	0	8	
May	5.54	3.80	.0	5.1	11.8	<i>s.</i>	30	<i>nw.</i>	0	8	15	8	9	7	0	0	1	0	0	0	0	0	0	0	0	0	8	
June	2.21	.93	.0	4.7	10.5	<i>s.</i>	25	<i>n.</i>	0	14	8	8	10	8	0	0	0	0	0	0	0	0	0	8	11	0	8	
July	.19	.18	.0	3.4	10.1	<i>s.</i>	21	<i>s.</i>	0	19	11	1	2	1	0	0	0	0	0	0	0	0	0	29	17	0	2	
August	3.52	2.09	.0	5.7	9.2	<i>s.</i>	24	<i>e.</i>	0	7	15	9	8	4	0	0	0	0	0	0	0	0	25	15	0	0	5	
September	2.35	1.76	.0	4.1	8.5	<i>s.</i>	23	<i>n.</i>	0	15	10	5	4	3	0	0	0	0	0	0	0	0	11	0	0	0	4	
October	5.37	3.96	.0	5.1	8.3	<i>s.</i>	28	<i>w.</i>	0	9	11	11	6	5	0	0	1	2	2	2	1	0	0	0	0	0	5	
November	.29	.15	.0	3.9	11.4	<i>s.</i>	30	<i>n.</i>	0	15	8	7	3	2	0	0	0	2	2	2	2	1	0	0	0	3	0	0
December	2.54	1.04	T	4.6	9.5	<i>s.</i>	24	<i>w.</i>	0	16	3	12	5	4	3	0	0	3	2	0	0	0	0	0	9	0	1	
Year	27.75	3.96	0.1	4.8	10.3	<i>s.</i>	34	<i>se.</i>	2	145	117	103	70	51	11	3	4	14	7	4	2	3	94	43	37	0	43	

ALBANY, N. Y.

Airport [$H=277$ ft.; $H_b=292$ ft.; $H_t=26$ ft.; $H_r=25$ ft.; $H_a=40$ ft.]

January	1.71	0.61	11.5	6.0	10.5	s.	36	nw.	4	9	7	15	10	6	18	8	0	12	4	2	2	13	0	0	29	7	0
February	.95	.40	7.0	6.6	13.6	nw.	40	w.	10	6	7	15	8	6	20	5	0	6	0	1	0	16	0	0	28	4	0
March	4.01	1.35	13.3	7.1	11.5	w.	42	s.	7	4	9	18	16	11	16	10	0	8	1	1	0	0	0	0	24	0	1
April	1.85	.58	6.9	6.5	10.6	n.	36	w.	2	6	10	14	13	10	5	2	0	9	0	0	2	0	0	0	4	0	1
May	2.46	.82	.0	7.0	9.8	s.	34	s.	1	4	13	14	12	10	0	0	0	14	1	0	0	0	0	0	0	4	0
June	2.52	.59	.0	6.5	7.9	s.	25	se.	0	6	10	14	12	9	0	0	0	16	0	1	3	0	0	0	0	6	0
July	6.58	1.62	.0	6.6	7.3	s.	28	w.	0	5	13	13	14	13	0	0	1	19	4	3	1	0	3	1	0	9	9
August	.66	.29	.0	6.4	6.6	s.	26	s.	0	5	14	12	6	4	0	0	0	16	4	4	3	0	0	0	0	3	1
September	4.52	1.79	.0	5.4	7.4	s.	32	nw.	1	11	7	12	10	9	0	0	0	20	5	4	2	0	1	0	2	0	0
October	2.85	1.19	T	5.7	8.1	s.	27	s.	0	7	14	10	9	7	2	0	0	16	4	1	5	0	0	0	4	0	0
November	3.34	1.38	.9	7.0	9.9	s.	38	s.	4	3	13	14	12	9	8	3	0	13	1	1	1	2	0	0	20	0	0
December	4.24	1.77	7.3	7.0	10.1	w.	38	w.	5	6	5	20	13	10	19	8	0	10	0	0	0	15	0	0	31	6	0
Year	35.69	1.79	46.9	6.5	9.4	s.	42	s.	34	72	122	171	135	104	88	36	1	159	24	18	19	46	4	1	142	17	25

ALBUQUERQUE, N. MEX.

[$H=5,310$ ft.; $H_b=5,314$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=45$ ft.]

January	0.13	0.11	2.1	4.5	8.6	n.	38	e.	3	12	14	5	2	1	3	2	0	0	0	0	0	0	0	28	0	0
February	.54	.40	3.0	5.6	10.6	n.	40	s.	7	8	10	10	5	2	8	4	0	2	1	1	1	0	0	26	0	1
March	.39	.35	7.1	4.3	9.2	w.	38	nw.	3	13	12	6	4	1	6	3	0	0	0	1	0	0	0	20	0	0
April	1.97	1.04	T	5.4	11.7	s.	56	s.	11	8	11	11	10	8	2	1	2	1	0	0	0	0	0	0	0	9
May	T	.0	.0	2.5	10.6	sw.	40	sw.	10	22	6	3	0	0	0	0	0	0	0	0	0	1	0	0	0	3
June	.22	.16	.0	2.2	11.1	se.	42	e.	9	21	6	3	3	2	0	0	0	0	0	0	0	20	0	0	0	4
July	.20	.10	.0	3.6	9.7	se.	43	e.	8	19	11	1	8	2	0	0	0	0	0	0	0	27	0	0	0	18
August	1.42	.61	.0	4.6	9.1	se.	44	se.	6	11	16	4	15	11	0	0	0	1	0	0	0	12	0	0	0	22
September	1.55	1.37	.0	3.0	8.7	se.	38	e.	5	17	10	3	5	3	0	0	0	0	0	0	0	0	0	0	0	6
October	.73	.44	.0	4.7	8.0	se.	34	se.	1	12	12	7	7	5	0	0	1	0	0	0	0	0	0	0	0	4
November	T	T	T	3.2	8.3	n.	39	nw.	4	17	9	4	0	0	1	0	0	0	0	0	0	0	0	11	0	0
December	1.10	.42	T	4.5	7.4	n.	30	nw.	0	14	8	9	8	4	4	1	1	1	2	1	1	0	0	21	0	2
Year	8.25	1.37	12.2	4.0	9.4	se.	56	s.	67	174	125	66	67	39	24	11	4	5	3	3	2	0	60	106	0	69

ALPEN, MICH.

[$H=587$ ft.; $H_b=609$ ft.; $H_t=5$ ft.; $H_r=4$ ft.; $H_a=89$ ft.]

January	1.71	0.71	13.7	7.8	11.8	sw.	35	nw.	2	4	7	20	14	7	23	13	0	1	0	0	15	0	0	30	6	0	
February	.70	.19	8.0	8.0	12.0	nw.	31	nw.	0	2	7	19	10	5	23	10	0	2	2	1	0	22	0	0	28	4	0
March	3.92	1.46	19.8	7.3	12.6	nw.	44	nw.	5	5	7	19	12	9	16	10	0	3	1	1	5	0	0	26	0	2	
April	1.79	.67	.5	4.8	10.9	nw.	30	nw.	0	11	10	9	8	4	2	2	0	2	0	0	0	0	0	12	0	4	
May	3.23	.95	.0	7.5	11.2	se.	31	e.	0	3	11	17	17	13	0	0	0	8	4	2	1	0	0	0	0	4	
June	1.56	.57	.0	5.7	8.5	se.	28	nw.	0	7	13	10	13	9	0	0	0	7	5	4	4	0	0	0	0	3	
July	1.82	.74	.0	5.0	9.9	nw.	29	nw.	0	10	13	8	14	8	0	0	0	4	2	2	1	0	1	0	0	6	
August	1.22	.44	.0	5.5	9.4	nw.	30	w.	0	10	12	9	6	4	0	0	0	7	2	4	1	0	1	0	0	2	
September	3.43	.96	T	6.5	10.3	s.	32	w.	1	5	12	13	16	11	3	2	1	6	1	1	0	0	0	0	2	4	
October	.79	.28	T	5.9	10.6	sw.	27	nw.	0	9	11	11	10	6	3	0	0	10	5	2	2	0	0	0	5	1	
November	1.05	.58	2.4	7.5	11.7	nw.	37	nw.	2	4	6	20	13	8	13	7	0	7	1	1	0	5	0	0	23	0	
December	3.44	2.09	17.2	9.1	11.5	sw.	32	nw.	1	0	4	27	20	10	24	18	0	3	1	1	0	21	0	0	31	2	
Year	24.66	2.09	61.6	6.7	10.9	nw.	44	nw.	11	70	113	182	153	94	107	62	1	60	24	19	10	68	2	0	157	12	26

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

AMARILLO, TEX.
Airport [$\phi=35^{\circ} 14' N.$; $\lambda=101^{\circ} 42' W.$]

Month	Pressure				Temperature ($^{\circ} F.$)													Moisture									
	Mean		Extremes		Mean													Extremes									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
	In. (1)	In.	In. (1)	In. (1)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
January	26.37	30.20	26.79	25.90	28.0	24.7	41.0	39.9	25.1	22.4	33.3	32.5	49.3	20.4	34.8	71	-5	21	18	23	22	21	75	76	52	52	64
February	26.18	29.97	26.54	25.78	30.8	26.1	42.4	43.8	27.0	23.9	34.6	34.8	51.0	22.8	36.9	70	0	20	20	24	22	21	65	77	51	46	60
March	26.14	29.88	26.60	25.64	37.6	33.0	51.5	53.8	33.3	30.0	40.7	42.2	58.5	29.5	44.0	79	18	28	26	28	29	27	67	74	44	41	56
April	26.16	29.85	26.52	25.73	51.2	47.0	61.6	63.0	47.5	44.6	51.5	52.1	68.1	44.3	56.2	87	30	44	42	43	43	67	79	84	57	54	68
May	26.20	29.85	26.59	25.77	56.8	51.5	71.2	74.2	50.9	48.4	56.4	57.1	77.8	49.2	63.5	95	33	46	46	45	44	45	69	82	44	38	58
June	26.19	29.80	26.60	25.93	68.2	63.3	79.8	81.6	61.1	59.6	65.1	64.7	86.6	62.2	74.4	103	49	57	58	57	55	57	71	83	51	45	62
July	26.34	29.95	26.58	26.17	71.7	65.8	87.1	87.6	62.2	60.8	66.6	65.8	92.1	65.1	78.6	99	55	57	58	56	54	56	61	77	36	33	52
August	26.30	29.92	26.52	26.14	69.5	64.7	81.7	81.1	64.0	62.3	67.3	67.5	87.1	63.6	75.4	96	55	61	61	60	61	61	76	88	50	53	67
September	26.30	29.96	26.65	25.96	60.5	55.7	73.1	74.1	56.1	53.6	60.7	60.9	79.1	53.9	66.5	91	39	53	52	52	52	52	77	87	52	49	66
October	26.28	29.99	26.59	25.85	51.3	47.9	62.8	60.1	48.4	46.2	53.6	53.2	67.5	46.0	56.8	84	33	46	44	47	48	46	83	88	59	67	74
November	26.25	29.99	26.78	25.71	42.5	39.4	57.9	52.0	38.3	36.6	46.9	44.0	64.0	34.4	49.2	81	17	33	33	36	36	34	69	78	45	55	62
December	26.26	30.05	26.63	25.82	32.2	29.7	43.2	40.5	30.4	28.3	37.3	36.1	50.0	26.0	38.0	70	12	28	26	30	31	29	84	86	62	70	75
Year	26.25	29.95	26.79	25.64	50.0	45.7	62.8	62.6	45.4	43.1	51.2	50.9	69.3	43.1	56.2	103	-5	41	40	42	41	41	73	82	50	50	64

ANCHORAGE, ALASKA

² Airport [$\phi=61^{\circ} 13' N.$; $\lambda=149^{\circ} 52' W.$] City [$\phi=61^{\circ} 13' N.$; $\lambda=149^{\circ} 52' W.$]

January	29.47	29.62	30.19	28.41	24.6	24.3	22.8	25.8	23.8	23.4	22.3	24.7	28.6	19.4	24.0	46	-1	22	22	21	23	22	91	90	94	87	91
February	29.54	29.69	30.32	28.52	29.9	28.6	28.0	31.9	28.8	27.5	27.2	30.2	34.6	25.4	30.0	47	17	27	26	26	28	27	89	88	92	83	88
March	29.45	29.60	30.04	28.36	26.8	22.3	22.8	30.6	24.9	20.7	21.4	27.3	32.5	18.5	25.5	46	-1	21	17	18	21	19	78	78	80	66	76
April	29.52	29.66	30.04	28.83	39.0	33.8	36.6	44.6	35.5	31.7	33.9	38.8	46.3	31.1	38.7	53	24	30	29	30	31	30	71	80	76	59	72
May	29.80	29.95	30.26	29.22	52.2	44.3	49.7	56.0	46.4	41.6	45.3	48.9	59.8	41.7	50.8	72	31	40	38	41	42	40	66	80	72	61	70
June	29.73	29.88	30.16	29.27	57.5	48.7	55.0	60.3	51.5	46.0	50.4	52.9	63.6	47.3	55.4	77	43	46	43	46	46	46	68	82	73	61	71
July ²	29.81	30.01	30.20	29.55	58.8	52.9	58.6	63.9	53.7	50.4	53.4	55.5	64.2	51.4	57.8	73	47	50	48	49	49	49	72	84	72	60	72
August	29.65	29.86	30.13	29.16	56.5	50.9	55.7	62.0	52.6	49.0	51.6	54.4	62.6	48.4	55.5	70	42	49	47	48	48	48	78	88	76	62	76
September	29.69	29.91	30.17	29.16	51.2	47.5	50.2	57.6	49.2	46.4	47.7	51.3	58.4	44.5	51.4	71	28	47	45	45	46	46	87	92	84	66	82
October	29.32	29.54	30.04	28.78	36.0	33.4	33.9	40.4	34.4	32.3	32.7	37.3	42.8	32.5	37.6	55	17	32	31	31	33	32	86	90	89	75	85
November	29.48	29.71	30.04	28.73	10.8	9.8	10.3	17.6	10.1	9.2	9.7	16.3	21.4	10.3	15.8	32	-8	7	7	7	12	8	85	86	87	78	84
December	29.51	29.75	29.95	28.74	3.1	-2.7	-3.9	-2.7	2.5	-3.2	-4.4	-3.1	10.4	-1.5	4.4	30	-16	-1	-6	-9	-7	-6	82	84	80	82	82
Year	29.58	29.76	30.32	28.36	37.2	32.8	35.0	40.7	34.4	31.2	32.6	36.2	43.8	30.8	37.2	77	-16	31	29	29	31	30	79	85	81	70	79

APALACHICOLA, FLA.

[$\phi=29^{\circ} 45' N.$; $\lambda=84^{\circ} 58' W.$]

January	30.12	30.16	30.56	29.63	49.0	46.1	57.3	53.4	46.5	43.7	50.0	49.1	60.8	43.3	52.0	76	23	43	41	42	44	43	81	82	59	72	74
February	29.99	30.03	30.39	29.32	48.6	46.3	55.0	52.8	45.7	43.9	48.4	48.1	58.7	43.9	51.3	69	34	42	41	40	43	42	80	82	61	71	73
March	29.95	29.99	30.24	29.37	55.4	54.5	63.0	59.3	52.6	52.4	55.5	54.6	65.3	51.6	58.4	72	40	50	50	48	50	50	83	86	63	74	77
April	30.05	30.09	30.29	29.77	62.7	61.7	72.9	68.3	59.2	58.0	62.3	61.5	74.8	58.9	66.8	87	44	57	55	55	57	56	82	80	56	68	71
May	29.98	30.02	30.14	29.69	69.8	70.5	79.0	75.2	68.1	67.4	70.0	69.4	81.0	66.1	73.6	86	57	67	66	65	66	66	91	86	65	75	79
June	29.92	29.96	30.12	29.71	77.0	78.5	83.4	81.0	74.7	75.0	76.5	75.7	86.1	74.0	80.0	91	70	74	74	74	74	74	89	85	74	79	82
July	30.04	30.08	30.19	29.83	80.2	79.9	87.4	85.0	76.1	76.0	78.2	77.0	90.4	76.4	83.4	98	72	74	74	75	74	74	83	84	67	70	76
August	29.99	30.03	30.14	29.88	80.0	79.4	85.8	81.4	76.0	75.5	77.5	75.9	88.4	76.0	82.2	92	68	74	74	74	74	74	84	84	69	78	78
September	29.96	30.00	30.21	29.65	75.3	73.8	82.1	78.6	71.9	70.7	74.7	73.2	84.5	71.1	77.8	95	58	70	69	72	71	70	85	86	71	78	80
October	29.97	30.00	30.20	29.79	67.3	68.4	77.9	72.4	63.3	61.9	67.3	66.4	79.8	62.5	71.2	85	44	61	60	61	63	61	80	85	58	73	74
November	30.06	30.10	30.29	29.77	60.2	57.1	69.5	64.5	56.4	54.3	60.8	59.4	71.5	54.9	63.1	80	40	53	52	54	55	53	79	83	60	73	74
December	30.07	30.11	30.50	29.62	54.7	53.3	61.1	58.0	53.0	51.9	56.0	55.1	64.3	49.0	56.6	79	33	51	50	51	52	51	87	90	73	82	83
Year	30.01	30.05	30.56	29.32	65.0	64.1	72.9	69.2	62.0	60.9	64.8	63.8	75.5	60.6	68.0	98	23	60	59	59	60	60	84	84	65	74	77

ASHEVILLE, N. C.

[$\phi=35^{\circ} 36' N.$; $\lambda=82^{\circ} 32' W.$]

January	27.72	30.14	28.11	27.17	34.3	31.4	43.0	38.6	31.2	29.1	35.1	33.6	47.3	27.5	37.4	68	-2	26	25	24	26	25	72	78	48	63	65
February	27.60	30.03	27.98	27.05	30.7	28.2	37.9	35.5	28.6	26.1	32.3	31.3	41.4	25.6	33.5	59	10	24	22	23	24	23	75	78	56	64	68
March	27.58	29.96	27.86	26.93	43.0	39.5	53.4	50.3	39.0	36.7	43.9	42.9	57.4	37.0	47.2	76	26	34	33	33	35	34	71	78	49	57	64
April	27.76	30.11	28.07	27.36	51.8	47.2	69.0	63.4	45.4	43.2	51.6	50.3	72.6	44.4	58.5	85	28	39	39	35	38	38	62	74	30	42	52
May	27.74	30.05	27.96	27.46	57.8	56.1	71.3	65.9	55.2	53.8	59.3	58.5	75.0	52.8	63.9	87	38	53	52	51	54	52	84	87	52	66	72
June	27.71	29.98	27.94	27.52	66.0	65.8	80.2	74.9	63.6	63.3	68.0	67.0	83.6	62.4	73.0	93	50	62	62	62	64	62	89	88	55	70	75
July	27.79	30.06	27.96	27.61	67.8	66.9	81.6	76.3	66.2	65.5	69.6	68.9	85.1	64.1	74.6	92	56	65	64	64	66	65	92	93	57	70	78
August	27.78	30.07	28.01	27.59	65.5	64.1	79.0	71.6	64.1	62.9	68.5	66.3	81.6	62.0	71.8	93	51	63	62	64	64	63	93	94	60	77	81
September	27.78	30.09	28.10	27.41	60.6	58.6	74.6	66.6	59.1	57.7	64.3	61.9	77.7	56.3	67.0	88	36	58	57	59	59	58	92	95	60	77	81
October	27.74	30.08	28.02	27.32	52.2	48.8	66.4	58.7	49.6	47.5	56.4	53.2	68.2	46.8	57.5	78	29	48	46	49	49	48	85	91	56	71	76
November	27.78	30.17	28.09	27.40	43.3	39.6	56.2	50.0	40.6	37.8	47.3	44.3	58.5	37.4	48.0	76	18	37	35	37	38	37	78	84	52	63	69
December	27.70	30.12	28.07	26.97	35.9	34.2	42.9	39.9	33.8	32.6	38.3	36.3	47.7	29.3	38.5	68	12	30	30	33	31	31	80	84	70	72	77
Year	27.72	30.07	28.11	26.93	50.7	48.4	63.0	57.6	48.0	46.4	52.9	51.2	66.3	45.5	55.9	93	-2	45	44	44	46	45	81	85	54	66	72

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

AMARILLO, TEX.

Airport [$H=3,590$ ft.; $H_b=3,604$ ft.; $H_t=5$ ft.; $H_r=4$ ft.; $H_a=42$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm
January	<i>In.</i> 0.06	<i>In.</i> 0.03	<i>In.</i> 4.0	5.0	<i>Mi.</i> 13.0	sw.	42	sw.	4	12	11	8	2	0	8	2	0	1	0	0	0	5	0	0	27	2	0
February	.63	.67	2.5	4.9	15.1	s.	46	n.	8	6	18	4	3	3	6	2	0	8	6	3	3	2	0	0	24	1	1
March	.42	.09	7.5	4.3	15.3	sw.	50	nw.	9	14	12	5	5	3	4	2	0	3	0	0	0	0	0	0	20	0	0
April	3.74	1.57	T	5.3	16.9	sw.	70	sw.	15	11	9	10	11	3	1	0	1	11	5	4	1	0	0	0	2	0	4
May	.91	.75	.0	3.6	16.6	sw.	50	sw.	10	17	13	1	4	2	0	0	0	3	0	0	0	0	7	3	0	0	6
June	2.29	1.52	.0	5.5	15.0	sw.	39	se.	10	8	12	10	7	5	0	0	1	10	2	1	0	0	11	7	0	0	7
July	.80	.58	.0	3.4	13.5	s.	32	sw.	1	17	12	2	4	3	0	0	1	1	1	0	0	0	24	11	0	0	10
August	3.95	1.77	.0	5.0	13.4	s.	43	e.	5	10	14	7	11	3	0	0	0	6	2	1	1	0	12	2	0	0	9
September	1.45	.58	.0	3.6	15.0	s.	58	ne.	6	18	5	7	6	4	0	0	1	5	3	2	1	0	1	0	0	0	4
October	6.18	2.23	.0	4.9	13.2	s.	40	sw.	5	13	8	10	4	4	0	0	1	10	2	2	2	0	0	0	0	0	2
November	T	T	.0	4.0	15.8	sw.	46	sw.	10	15	10	5	0	0	0	0	0	4	2	2	1	0	0	0	9	0	0
December	1.19	0.63	6.0	5.0	12.3	sw.	42	n.	3	12	9	10	6	5	4	3	0	12	8	6	4	4	0	0	30	0	0
Year	21.62	2.23	20.0	4.5	14.6	s.	70	sw.	86	153	133	79	63	45	23	9	5	74	33	22	14	11	55	23	112	3	43

ANCHORAGE, ALASKA

¹ Airport [$H=192$ ft.; $H_b=197$ ft.; $H_t=4$ ft.; $H_r=3$ ft.; $H_a=76$ ft.] City [$H=132$ ft.; $H_b=135$ ft.; $H_t=36$ ft.; $H_r=34$ ft.; $H_a=47$ ft.]

January	0.35	0.25	1.7	6.9	4.7	ne.	21	n.	0	5	8	18	7	2	7	4	0	8	4	2	0	17	0	0	29	1	0
February	.79	.36	8.9	8.5	5.1	n.	25	se.	0	1	4	23	8	5	15	8	0	11	6	3	1	8	0	0	26	0	0
March	.45	.19	4.4	7.2	6.5	n.	27	s.	0	6	6	19	6	3	13	6	0	4	0	0	0	15	0	0	31	1	0
April	.81	.30	2.0	7.7	4.6	n.	16	se.	0	4	5	21	6	5	5	3	0	1	0	0	0	0	0	0	17	0	0
May	.25	.12	.0	6.6	5.2	nw.	18	sw.	0	7	7	17	7	2	0	0	1	1	0	0	0	0	0	0	1	0	0
June	.68	.36	.0	6.7	5.5	nw.	18	sw.	0	6	9	15	5	4	0	0	0	0	0	0	0	0	0	0	0	0	0
July ¹	1.83	.45	.0	7.7	5.0	w.	18	s.	0	2	10	19	12	8	0	0	0	0	0	0	0	0	0	0	0	0	0
August	3.59	1.00	.0	8.1	5.0	s.	18	w.	0	2	8	21	20	14	0	0	0	3	1	0	0	0	0	0	0	0	0
September	3.41	.94	.0	7.8	5.1	n.	23	se.	0	4	6	20	19	13	0	0	0	6	1	1	0	0	0	0	2	0	0
October	2.36	.80	8.6	8.1	5.2	n.	24	n.	0	4	5	22	13	10	6	4	0	2	0	0	0	1	0	0	11	0	0
November	.17	.07	2.1	6.2	5.5	ne.	20	n.	0	9	4	17	6	2	10	6	0	2	1	1	0	30	0	0	30	5	0
December	.77	.45	7.6	4.7	4.2	ne.	21	n.	0	13	7	11	5	5	13	5	0	4	4	3	2	31	0	0	31	21	0
Year	15.46	1.00	35.3	7.2	5.1	n.	27	s.	0	63	79	223	114	73	69	36	1	42	17	10	3	102	0	0	178	28	0

APALACHICOLA, FLA.

[$H=14$ ft.; $H_b=35$ ft.; $H_t=11$ ft.; $H_r=3$ ft.; $H_a=51$ ft.]

January	5.10	1.83	0.0	3.4	9.0	n.	25	nw.	0	18	8	5	8	6	0	0	0	7	1	1	1	0	0	0	3	0	3
February	7.59	2.95	.0	5.8	9.4	n.	28	nw.	0	8	7	13	11	9	0	0	0	5	3	1	1	0	0	0	0	1	1
March	9.24	2.55	.0	5.8	10.2	se.	33	nw.	1	11	5	15	11	0	0	0	0	7	5	6	4	0	0	0	0	5	5
April	.09	.06	.0	3.3	8.7	se.	27	se.	0	18	7	5	2	1	0	0	0	1	0	1	0	0	0	0	0	1	1
May	4.86	1.50	.0	4.2	7.7	s.	32	s.	1	14	10	7	6	6	0	0	0	3	4	2	1	0	0	0	0	6	6
June	5.57	3.41	.0	5.3	7.9	sw.	30	e.	0	9	13	8	12	12	0	0	0	0	0	0	0	1	0	0	0	11	11
July	4.90	1.54	.0	4.8	6.0	w.	24	s.	0	13	9	9	10	9	0	0	1	0	0	0	0	15	3	0	0	25	25
August	5.97	2.83	.0	6.0	8.0	se.	27	n.	0	8	12	11	14	12	0	0	0	0	0	0	0	9	0	0	0	21	21
September	13.14	4.95	.0	5.7	7.6	se.	26	sw.	0	9	9	12	11	9	0	0	0	0	0	0	0	3	0	0	0	14	14
October	.40	.20	.0	2.7	7.7	n.	29	se.	0	21	8	2	3	3	0	0	0	3	1	0	0	0	0	0	0	0	2
November	.32	.15	.0	2.8	8.5	ne.	22	n.	0	19	5	6	3	3	0	0	0	4	3	2	0	0	0	0	0	1	1
December	5.27	1.51	.0	5.8	8.7	n.	27	e.	0	8	11	12	9	9	0	0	0	10	9	5	4	0	0	0	0	4	4
Year	62.45	4.95	.0	4.6	8.3	n.	33	nw.	2	156	104	105	100	90	0	0	1	40	26	18	12	0	28	3	3	0	94

ASHEVILLE, N. C.

[$H=2,192$ ft.; $H_b=2,253$ ft.; $H_t=89$ ft.; $H_r=87$ ft.; $H_a=104$ ft.]

January	2.18	0.60	3.1	5.4	9.6	nw.	28	se.	0	12	8	11	11	10	9	4	0	5	0	0	5	0	0	0	19	1	0
February	3.49	1.55	5.9	5.9	10.8	nw.	30	nw.	0	9	6	13	8	5	15	3	0	3	1	0	0	5	0	0	23	0	1
March	4.69	1.43	16.0	6.1	10.8	nw.	33	nw.	1	9	8	14	15	11	5	2	0	7	1	2	1	0	0	0	11	0	2
April	1.08	.73	.0	4.2	7.6	nw.	30	nw.	0	14	10	6	4	3	0	0	0	3	2	1	1	0	0	0	4	0	1
May	4.63	1.43	.0	6.6	7.1	nw.	26	nw.	0	7	9	15	14	8	0	0	1	18	5	3	5	0	0	0	0	10	10
June	2.07	.74	.0	6.6	6.3	nw.	29	nw.	0	2	16	12	12	9	0	0	0	17	8	4	7	0	1	0	0	10	10
July	3.95	.95	.0	7.0	5.2	nw.	26	nw.	0	3	11	17	13	12	0	0	0	23	9	9	8	0	6	0	0	11	11
August	3.89	.88	.0	7.4	5.5	nw.	26	e.	0	2	10	19	16	13	0	0	0	25	15	12	13	0	2	0	0	9	9
September	5.39	2.09	.0	5.9	5.8	nw.	23	nw.	0	8	12	10	12	12	0	0	0	23	21	19	15	0	0	0	0	5	5
October	1.72	.47	.0	5.6	7.2	nw.	23	nw.	0	10	8	13	8	7	0	0	0	16	8	8	7	0	0	0	2	0	0
November	.51	.23	T	4.5	8.8	nw.	27	nw.	0	13	8	9	3	3	1	0	0	15	6	3	4	0	0	0	8	0	0
December	5.43	1.73	4.4	6.7	9.6	nw.	27	nw.	0	8	6	17	10	8	7	1	0	17	8	5	2	1	0	0	19	0	1
Year	39.03	2.09	29.4	6.0	7.9	nw.	33	nw.	1	97	112	156	126	101	37	10	1	172	84	66	63	11	9	0	86	1	50

¹ Airport data beginning July 8.

UNITED STATES METEOROLOGICAL YEARBOOK

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

ATLANTA, GA.
Airport [$\phi=33^{\circ}39' N.$; $\lambda=84^{\circ}26' W.$]

Month	Pressure				Temperature (° F.)												Moisture											
	Mean		Extremes		Mean												Extremes		Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity					
Maximum			Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.						7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly		
	In. (1)	In.	In. (1)	In. (1)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%		
January	28.87	30.14	29.21	28.37	38.9	35.1	48.5	45.0	34.9	32.1	40.4	38.6	53.0	32.3	42.6	70	13	28	27	29	29	28	66	72	50	54	60	
February	28.76	30.03	29.19	28.13	36.8	34.7	44.4	42.7	33.4	31.9	38.3	37.5	48.2	32.4	40.3	69	19	28	27	29	30	28	68	71	57	60	64	
March	28.72	29.96	29.00	28.09	47.6	44.6	58.0	55.4	43.5	41.8	48.8	47.6	61.7	42.2	52.0	78	29	39	38	38	39	39	72	78	53	58	65	
April	28.86	30.08	29.16	28.53	57.7	53.6	73.1	69.6	50.1	48.3	56.7	55.3	76.2	51.3	63.8	89	32	42	43	43	43	43	59	69	36	41	51	
May	28.81	30.02	29.02	28.52	64.7	62.4	77.4	74.3	59.9	59.3	64.7	63.6	80.3	59.5	69.9	90	45	57	57	57	57	57	76	83	51	57	67	
June	28.77	29.96	29.00	28.56	71.6	71.3	83.9	80.7	68.1	68.1	71.4	71.1	87.4	68.1	77.8	94	60	66	66	65	66	66	84	85	56	64	72	
July	28.86	30.05	29.04	28.68	73.9	74.0	86.9	81.5	70.8	70.6	74.2	73.1	90.2	70.7	80.4	96	66	70	69	69	70	69	86	85	56	69	74	
August	28.85	30.05	29.09	28.68	70.8	70.1	83.0	77.8	68.3	67.9	71.6	70.9	87.3	68.1	77.7	97	58	67	67	67	68	67	88	90	59	73	77	
September	28.84	30.04	29.19	28.44	66.7	64.7	79.3	73.9	63.5	62.2	67.4	66.6	82.7	62.1	72.4	92	43	62	60	61	63	62	84	85	55	69	73	
October	28.82	30.04	29.10	28.48	58.4	55.1	71.6	65.0	54.7	53.0	60.1	58.6	73.9	53.2	63.6	83	33	52	51	52	54	52	79	86	52	69	72	
November	28.89	30.14	29.18	28.56	49.4	46.2	62.3	56.0	45.4	43.4	52.0	49.2	64.9	43.8	54.4	80	29	41	40	42	42	41	72	78	51	61	66	
December	28.85	30.12	29.28	28.13	40.4	38.9	47.8	44.0	37.8	37.0	42.8	40.3	52.2	35.4	43.8	69	19	34	34	36	35	35	78	82	67	72	75	
Year	28.82	30.05	29.28	28.09	56.4	54.2	68.0	63.8	52.5	51.3	57.4	56.0	71.5	51.6	61.6	97	13	49	48	49	50	49	76	80	54	62	68	

ATLANTIC CITY, N. J.
[$\phi=39^{\circ}22' N.$; $\lambda=74^{\circ}25' W.$]

January	30.02	30.08	30.55	29.30	32.4	31.3	37.8	34.5	29.1	28.7	32.9	30.7	40.9	26.5	33.7	59	9	22	23	23	22	23	66	69	57	62	63
February	29.83	29.89	30.40	29.09	29.9	27.2	36.5	33.9	26.5	24.6	30.8	29.1	39.6	24.7	32.2	58	10	18	18	19	19	18	60	66	49	53	57
March	29.83	29.89	30.27	28.77	41.2	40.7	45.7	43.7	37.8	37.8	40.3	39.0	49.5	37.2	43.4	61	32	33	34	33	33	73	76	64	67	70	
April	29.99	30.05	30.32	29.54	48.0	48.9	54.5	50.5	43.5	44.6	47.2	45.2	59.5	43.9	51.7	80	34	38	40	40	39	70	71	59	67	67	
May	29.99	30.04	30.29	29.68	59.0	60.1	64.6	61.0	55.9	56.4	58.3	56.8	68.8	55.9	62.4	90	48	53	54	54	54	83	80	70	79	78	
June	29.91	29.96	30.28	29.50	67.0	68.0	73.1	70.8	63.6	64.3	66.2	65.6	76.7	64.2	70.4	92	55	62	62	62	62	84	82	71	77	79	
July	29.93	29.98	30.22	29.64	72.5	73.9	79.1	76.0	69.3	69.0	71.1	69.9	82.4	70.2	76.3	99	65	68	66	67	67	87	86	78	68	75	
August	29.99	30.04	30.35	29.68	71.1	71.1	76.9	73.6	67.7	67.5	69.1	68.2	79.1	67.6	73.4	90	54	66	66	65	65	84	83	68	76	78	
September	29.99	30.04	30.49	29.63	67.1	66.5	73.2	69.3	63.8	62.9	66.0	64.9	75.5	63.3	69.4	86	43	61	60	62	62	81	81	69	79	78	
October	30.00	30.06	30.44	29.45	58.2	57.3	63.6	60.2	55.0	54.6	57.9	56.2	65.1	54.4	59.8	76	36	52	52	54	53	82	84	72	78	79	
November	30.02	30.08	30.50	29.25	48.2	46.7	54.3	49.7	44.7	43.1	47.8	45.5	56.9	42.2	49.6	75	24	40	39	41	40	74	74	61	70	70	
December	30.01	30.07	30.69	28.78	34.3	32.7	37.6	35.6	31.6	30.3	33.2	32.1	42.1	28.2	35.2	58	1	26	26	26	25	26	72	74	62	65	68
Year	29.96	30.02	30.69	28.77	52.4	52.0	58.1	54.9	49.0	48.6	51.7	50.3	61.3	48.2	54.8	99	1	45	45	46	45	45	76	76	64	71	72

AUGUSTA, GA.
Airport [$\phi=33^{\circ}29' N.$; $\lambda=82^{\circ}02' W.$] City [$\phi=33^{\circ}28' N.$; $\lambda=81^{\circ}58' W.$]

	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1
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AUSTIN, TEX.
Airport [$\phi=30^{\circ}18' N.$; $\lambda=97^{\circ}42' W.$] City [$\phi=30^{\circ}16' N.$; $\lambda=97^{\circ}44' W.$]

	(1) (2)		(1) (2)	(1) (2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.58	30.23	30.07	29.03	43.7	40.3	55.1	52.6	39.6	37.7	45.4	44.0	60.0	37.2	48.6	82	17	34	34	35	34	34	71	79	49	52	63
February	29.38	30.03	29.82	28.88	48.7	44.9	55.1	56.3	45.1	42.4	47.8	48.4	60.9	42.8	51.8	77	24	41	39	40	40	40	75	81	59	56	68
March	29.30	29.94	29.76	28.89	53.6	48.7	66.9	67.0	48.1	45.1	53.9	53.3	72.1	47.5	59.8	89	32	42	41	41	39	41	66	76	43	40	56
April	29.31	29.94	29.72	28.92	62.3	60.2	72.0	72.3	59.8	58.9	64.5	64.2	76.5	58.4	67.4	84	45	58	58	60	59	59	86	93	68	66	78
May	29.30	29.93	29.58	28.99	68.5	66.8	79.0	77.8	65.8	65.1	69.8	68.9	83.4	65.3	74.4	93	50	64	64	65	64	64	87	92	64	64	76
June	29.23	29.85	29.52	28.96	76.3	72.8	88.4	88.9	71.6	70.3	74.4	74.4	93.3	72.4	82.8	100	64	70	69	68	68	69	80	88	53	52	68
July	29.40	30.02	29.59	29.24	75.7	73.1	88.0	85.8	72.0	71.3	74.0	73.8	91.2	72.7	82.0	98	66	70	71	68	68	69	84	92	54	60	72
August	29.31	29.94	29.47	28.87	77.5	74.1	87.6	87.6	73.6	72.7	75.2	75.0	92.8	72.6	82.7	98	68	72	72	70	70	71	84	93	59	59	74
September	29.36	29.99	29.69	29.14	70.0	67.7	80.5	79.0	67.2	66.4	70.1	69.9	84.8	64.5	74.6	93	41	65	66	65	65	65	86	93	60	64	76
October	29.36	30.00	29.63	28.97	63.6	60.3	74.1	71.9	60.8	58.5	64.2	64.8	78.3	58.3	68.3	87	45	59	57	58	61	59	85	90	60	70	76
November	29.42	30.06	29.96	28.95	58.3	55.0	68.2	65.9	54.9	53.0	58.9	58.7	73.7	51.9	62.8	85	33	52	51	52	53	52	80	87	58	66	72
December	29.42	30.07	29.77	28.90	48.7	46.0	59.3	57.5	46.0	44.3	52.0	51.0	65.3	41.7	53.5	80	30	43	43	46	46	44	82	88	63	65	74
Year	29.36	30.00	30.07	28.87	62.2	59.2	72.8	71.9	58.7	57.1	62.5	62.2	77.7	57.1	67.4	100	17	56	55	56	56	56	80	88	58	60	71

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

ATLANTA, GA.
 Airport [$H=975$ ft.; $H_b=976$ ft.; $H_t=33$ ft.; $H_r=32$ ft.; $H_a=72$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temperature		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 3.47	<i>In.</i> 0.86	<i>In.</i> 0.1	4.9	<i>Mi.</i> 11.2	nw.	34	w.	1	13	8	10	7	6	2	1	0	3	0	0	0	2	0	0	10	0	3
February	3.84	2.16	T.	6.6	12.1	nw.	41	nw.	4	7	7	14	8	8	2	0	5	1	0	0	0	0	0	0	15	0	2
March	11.51	4.82	3.7	6.1	12.2	nw.	37	nw.	6	10	5	16	12	9	3	1	0	7	2	1	1	0	0	0	2	0	6
April	1.47	1.47	.0	4.3	8.7	nw.	33	nw.	1	15	8	7	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
May	5.29	1.64	.0	5.7	8.0	nw.	32	sw.	1	8	11	12	10	7	0	0	8	3	4	2	0	0	0	0	0	0	7
June	3.61	1.50	.0	6.4	7.6	e.	41	nw.	1	4	16	10	8	7	0	0	9	0	0	0	0	10	0	0	0	0	14
July	4.60	1.38	.0	6.1	7.7	w.	46	nw.	2	7	11	13	13	11	0	0	1	8	0	0	0	19	6	0	0	0	16
August	5.53	1.32	.0	6.1	7.2	sw.	26	w.	0	4	15	12	16	14	0	0	12	3	1	1	0	10	3	0	0	0	16
September	5.73	2.36	.0	5.6	6.9	nw.	26	nw.	0	9	12	9	9	7	0	0	6	0	0	0	7	0	0	0	0	0	7
October	3.86	1.26	.0	4.4	8.1	nw.	32	nw.	1	13	9	9	9	7	0	0	7	2	1	0	0	0	0	0	0	0	4
November	1.38	.98	.0	4.1	8.9	nw.	26	n.	0	14	8	8	3	3	0	0	2	1	1	1	0	0	0	1	0	0	0
December	5.32	1.70	.0	6.2	11.2	nw.	46	w.	3	11	5	15	14	11	0	0	1	18	9	5	6	0	0	0	10	0	2
Year	55.61	48.2	3.8	5.5	9.1	nw.	46	w.	20	115	115	135	110	91	7	2	2	86	21	13	11	2	46	9	38	0	77

ATLANTIC CITY, N. J.
 [$H=8$ ft.; $H_b=52$ ft.; $H_t=37$ ft.; $H_r=33$ ft.; $H_a=172$ ft.]

January	2.92	1.09	3.3	5.5	16.6	w.	52	se.	7	12	8	11	8	7	5	3	0	6	3	3	2	6	0	0	20	0	0
February	2.22	1.22	T.	4.7	18.2	w.	54	ne.	12	12	9	7	5	4	5	1	0	4	4	3	3	3	0	0	23	0	0
March	5.22	1.10	T.	5.6	18.9	w.	59	ne.	12	10	5	16	15	14	2	0	0	4	2	1	1	0	0	0	0	0	1
April	1.28	1.17	.0	5.1	16.4	s.	47	e.	4	12	8	10	3	3	0	0	0	1	0	0	0	0	0	0	0	0	0
May	1.45	.65	.0	5.3	15.1	s.	33	se.	4	10	12	9	7	5	0	0	0	11	7	3	2	0	0	0	0	5	
June	1.46	.55	.0	6.6	12.6	s.	28	n.	0	4	13	13	12	7	0	0	9	8	6	3	0	1	0	0	0	5	
July	5.44	1.78	.0	5.4	12.5	w.	39	se.	2	7	15	9	11	8	0	0	0	7	2	2	2	0	2	2	0	11	
August	9.95	2.13	.0	6.4	13.0	s.	37	se.	3	7	12	12	14	9	0	0	9	5	2	3	0	3	0	0	0	10	
September	3.62	1.44	.0	5.7	12.4	s.	43	se.	2	13	5	12	11	7	0	0	0	5	1	1	1	0	0	0	0	5	
October	6.59	2.02	.0	5.3	16.1	ne.	42	ne.	7	10	9	12	12	12	0	0	0	8	0	0	0	0	0	0	0	1	
November	2.21	3.61	T.	5.3	16.5	w.	42	se.	5	10	8	12	9	7	3	0	0	4	3	2	2	0	0	0	4	1	
December	3.86	1.01	3.0	6.5	16.9	w.	45	w.	13	7	10	14	13	12	10	3	0	8	5	5	4	3	0	0	18	3	
Year	46.22	3.02	6.3	5.6	15.4	w.	59	ne.	71	114	114	137	120	95	25	7	0	76	40	28	23	12	6	2	65	0	42

AUGUSTA, GA.
 Airport [$H=420$ ft.; $H_b=426$ ft.; $H_t=28$ ft.; $H_r=29$ ft.; $H_a=46$ ft.] City [$H=134$ -ft.; $H_b=182$ ft.; $H_t=62$ ft.; $H_r=54$ ft.; $H_a=77$ ft.]

January	3.12	1.04	0.0	4.9	5.7	nw.	22	w.	0	11	13	7	7	6	0	0	0	1	0	0	0	0	0	8	0	2	
February	3.85	1.23	T.	5.5	6.1	nw.	22	se.	0	10	7	11	8	7	1	0	1	2	1	1	1	0	0	11	0	1	
March	9.54	2.67	.0	4.9	7.2	nw.	27	w.	0	13	7	11	9	9	0	0	0	3	2	2	1	0	0	0	0	4	
April	1.52	1.52	.0	2.8	5.4	nw.	24	w.	0	18	11	1	2	2	0	0	0	0	0	0	0	1	0	0	0	2	
May	5.64	2.08	.0	5.1	5.1	se.	21	nw.	0	13	9	9	8	8	0	0	0	1	1	1	0	0	0	0	0	6	
June	1.99	.63	.0	6.1	5.2	s.	27	nw.	0	7	12	11	13	9	0	0	3	1	0	0	0	15	3	0	0	9	
July	5.92	1.82	.0	4.8	5.2	w.	24	nw.	0	12	12	7	11	10	0	0	0	0	0	0	0	24	14	0	0	12	
August	3.12	1.12	.0	5.5	5.5	s.	25	sw.	0	9	12	10	12	10	0	0	2	1	1	0	0	18	4	0	0	8	
September	2.70	1.96	.0	4.9	4.9	nw.	22	nw.	0	14	4	12	7	6	0	0	2	2	1	0	0	0	15	4	0	2	
October	.58	.42	.0	4.1	5.1	nw.	25	sw.	0	15	7	9	5	4	0	0	0	1	0	0	0	0	0	0	0	1	
November	4.52	4.33	.0	3.3	5.3	nw.	19	w.	0	19	4	7	5	2	0	0	0	1	1	1	1	0	0	1	0	1	
December	4.02	.99	.0	6.2	6.4	nw.	28	w.	0	9	5	17	16	13	0	0	0	3	1	0	0	0	0	9	0	2	
Year	46.52	4.33	T.	4.8	5.6	nw.	28	w.	0	150	103	112	103	86	1	0	1	19	9	6	3	0	73	25	29	0	50

AUSTIN, TEX.
 Airport [$H=617$ ft.; $H_b=621$ ft.; $H_t=10$ ft.; $H_r=3$ ft.; $H_a=41$ ft.] City [$H=531$ ft.; $H_b=605$ ft.; $H_t=68$ ft.; $H_r=69$ ft.; $H_a=90$ ft.]

January	0.07	0.04	0.0	5.7	7.8	n.	25	w.	0	9	11	11	4	1	0	0	0	1	0	0	0	2	0	11	0	0
February	1.46	.69	.0	6.9	8.6	n.	34	sw.	2	5	7	16	10	5	0	0	0	8	2	2	1	0	0	3	0	0
March	.66	.55	.0	5.2	11.0	s.	31	nw.	0	12	8	11	5	3	0	0	0	0	0	0	0	0	1	0	0	
April	5.56	3.86	.0	6.8	10.9	s.	29	s.	0	5	10	15	12	7	0	0	0	6	1	1	1	0	0	0	7	
May	2.05	1.05	.0	6.0	9.8	s.	41	ne.	1	6	16	9	8	6	0	0	0	0	0	0	0	6	0	0	7	
June	2.23	.79	.0	4.6	9.4	s.	37	sw.	1	9	18	3	5	5	0	0	0	0	0	0	0	24	0	0	6	
July	3.69	2.00	.0	4.8	8.3	s.	36	sw.	1	11	17	3	6	5	0	0	0	0	0	0	0	25	0	0	2	
August	2.16	1.30	.0	4.9	8.9	s.	36	ne.	1	9	18	4	6	6	0	0	0	8	0	0	0	26	0	0	8	
September	8.11	4.61	.0	5.3	7.1	s.	42	sw.	1	6	17	7	7	7	0	0	11	3	1	2	0	7	0	0	6	
October	5.14	2.15	.0	5.4	7.5	n.	28	n.	0	10	10	11	10	5	0	0	12	1	1	0	0	0	0	0	5	
November	1.98	1.21	.0	4.5	10.6	s.	31	n.	0	13	9	8	4	2	0	0	12	2	2	1	0	0	0	0	1	
December	1.53	1.21	.0	4.7	9.1	n.	33	ne.	1	14	6	11	7	4	0	0	13	8	4	6	0	0	1	0	2	
Year	34.64	4.61	.0	5.4	9.1	s.	42	sw.	8	109	147	109	84	56	0	0	0	71	17	11	11	2	88	16	0	44

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

BAKER, OREG.

Airport [$\phi=44^{\circ}50' N.$; $\lambda=117^{\circ}50' W.$] City [$\phi=44^{\circ}46' N.$; $\lambda=117^{\circ}50' W.$]

Month	Pressure				Temperature (° F.)														Moisture														
	Mean		Extremes		Mean														Extremes										Mean				
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity										
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly						
In. (1)	In.	In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)					
January	26.64	30.36	26.98	26.23	19.9	19.9	24.8	25.0	19.3	19.3	23.6	23.8	30.6	16.7	23.6	44	-9	18	18	22	22	20	92	93	87	87	90						
February	26.42	30.08	26.72	26.07	25.7	24.0	31.8	33.0	24.6	23.3	29.4	30.3	36.4	20.1	28.2	46	5	23	22	25	26	24	88	91	76	75	82						
March	26.47	30.10	26.77	25.94	31.5	27.0	40.0	44.1	29.1	25.6	34.5	36.3	47.0	26.1	36.6	64	16	26	24	27	26	26	77	86	60	50	69						
April	26.32	29.89	26.70	25.96	42.2	35.3	53.1	56.8	38.4	33.3	40.6	44.8	59.1	34.4	46.8	77	24	34	31	33	32	33	74	84	49	41	62						
May	26.40	29.97	26.74	26.08	44.5	40.0	53.5	55.2	42.1	38.9	46.5	47.3	59.6	37.6	48.6	81	25	40	38	40	40	39	76	91	62	59	72						
June	26.43	29.98	26.75	26.14	49.4	42.5	60.1	66.4	46.2	41.2	51.3	53.7	68.4	41.7	55.0	89	35	43	40	44	44	43	80	91	57	46	68						
July	26.48	29.98	26.70	26.29	58.9	48.6	74.4	82.8	53.4	46.7	59.1	62.2	85.0	50.6	67.8	99	44	50	45	49	49	48	71	88	41	33	58						
August	26.43	29.94	26.60	26.21	57.0	46.2	74.0	81.5	50.5	43.9	57.3	59.9	84.4	49.0	66.7	100	34	46	42	46	45	45	66	85	38	31	55						
September	26.46	30.00	26.79	26.20	47.9	38.8	65.5	73.3	43.4	36.9	51.8	54.7	76.6	42.1	59.4	91	31	39	35	40	40	38	72	86	41	33	58						
October	26.53	30.11	26.82	26.20	40.2	34.3	54.7	59.6	37.2	32.6	45.2	47.3	63.7	34.6	49.2	83	19	34	30	36	36	34	79	86	52	44	65						
November	26.43	30.06	26.93	25.72	32.8	30.9	38.2	37.7	31.0	29.4	34.8	34.2	43.7	28.4	36.0	55	14	29	27	30	30	29	84	87	74	74	80						
December	26.48	30.15	26.89	25.92	27.1	25.0	30.6	30.3	26.3	24.3	29.1	29.5	35.6	23.5	29.6	46	5	25	24	27	28	26	93	94	85	92	91						
Year	26.46	30.05	26.98	25.72	39.8	34.4	50.1	53.8	36.8	33.0	41.9	43.7	57.5	33.7	45.6	100	-9	34	31	35	35	34	79	88	60	55	71						

BALTIMORE, MD.

Airport [$\phi=39^{\circ}15' N.$; $\lambda=76^{\circ}32' W.$] City [$\phi=39^{\circ}17' N.$; $\lambda=76^{\circ}37' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.96	30.09	30.47	29.20	31.6	30.6	38.4	35.3	28.8	27.8	33.0	31.2	43.2	28.4	35.8	65	8	23	22	23	23	23	70	70	54	61	64	57
February	29.80	29.93	30.32	29.09	30.7	28.1	37.1	35.0	27.3	25.1	31.4	30.1	41.5	27.2	34.4	56	12	20	18	20	20	20	61	63	50	54	57	64
March	29.76	29.89	30.19	28.62	42.3	40.7	50.6	47.1	38.4	37.1	42.8	41.0	55.1	39.0	47.0	76	33	33	32	33	33	33	71	72	53	60	64	64
April	29.93	30.06	30.22	29.50	51.3	50.8	65.7	58.7	46.1	45.8	52.7	49.6	69.0	48.5	58.8	87	37	40	40	41	40	40	67	68	43	53	58	64
May	29.90	30.03	30.22	29.60	63.7	63.6	76.3	70.3	58.4	58.0	63.0	61.8	77.6	60.3	69.0	94	50	54	54	54	56	54	73	72	48	62	64	64
June	29.84	29.97	30.18	29.46	69.2	70.3	80.0	76.1	65.1	65.7	68.7	67.1	82.4	66.5	74.4	93	57	62	63	62	62	62	80	79	58	64	70	70
July	29.86	29.99	30.13	29.58	73.9	74.9	87.0	80.3	69.0	68.8	72.4	71.0	88.2	71.2	79.7	99	65	66	66	65	66	66	79	74	50	64	67	67
August	29.92	30.05	30.29	29.65	71.0	71.0	81.3	75.7	67.5	66.9	70.3	69.4	82.8	68.1	75.4	94	54	66	65	64	66	65	84	80	58	73	74	74
September	29.93	30.06	30.45	29.47	65.8	65.3	78.7	70.5	62.2	61.7	66.3	63.7	80.2	62.1	71.2	92	41	60	59	58	59	59	81	81	52	68	70	70
October	29.92	30.06	30.36	29.44	56.2	54.8	66.4	61.0	53.0	51.8	57.4	55.9	68.3	53.1	60.7	86	35	50	49	50	51	50	81	81	59	69	73	74
November	29.97	30.10	30.43	29.26	45.1	43.4	54.5	48.4	41.4	40.0	46.2	43.3	57.1	40.8	49.0	79	27	36	35	37	37	36	72	72	52	65	66	66
December	29.96	30.09	30.60	28.76	32.7	30.5	36.5	34.6	30.2	28.4	32.5	31.4	41.1	28.7	34.9	51	5	25	24	25	25	25	73	76	64	68	70	70
Year	29.90	30.03	30.60	28.62	52.8	52.0	62.7	57.8	49.0	48.1	53.1	51.3	65.5	49.5	57.5	99	5	45	44	44	45	44	74	74	53	63	66	66

BARROW, ALASKA

[$\phi=71^{\circ}23' N.$; $\lambda=156^{\circ}17' W.$]

January	30.00	30.02	30.76	29.26	-3.2	-2.4	-4.5	-4.3	-3.3	-2.6	-4.6	-4.5	2.6	-10.1	-3.8	28	-28	-5	-4	-6	-6	-5	93	91	94	90	92
February	30.07	30.08	30.48	29.45	-9.5	-9.9	-8.8	-7.7	-9.6	-10.1	-9.0	-7.9	-3.0	-16.0	-9.5	14	-32	-11	-12	-11	-9	-11	92	90	88	91	90
March	30.08	30.10	30.98	29.37	-19.2	-21.0	-20.5	-16.4	-19.2	-21.1	-20.6	-16.5	-14.8	-24.2	-19.5	-2	-40	-20	-23	-22	-18	-21	93	90	92	90	91
April	29.97	29.99	30.33	29.56	2.1	-3	1.5	7.0	1.9	-4	1.3	6.8	8.3	-3.7	2.3	21	-18	1	-2	-2	6	1	95	94	92	95	94
May	30.10	30.11	30.52	29.60	20.3	17.1	19.6	22.2	20.0	16.8	19.3	21.9	23.6	14.4	19.0	37	-3	19	16	18	22	19	95	96	95	97	96
June	29.98	29.99	30.27	29.56	33.3	31.4	34.7	36.7	32.8	31.0	33.5	35.8	39.0	29.3	34.2	70	16	32	30	32	35	32	95	96	90	93	94
July	29.84	29.86	30.16	29.47	40.7	38.9	41.0	43.9	39.6	38.3	39.9	42.4	49.0	35.5	42.2	68	31	38	38	39	41	39	92	95	92	89	92
August	29.79	29.81	30.24	29.13	38.5	36.9	38.6	39.9	37.7	36.6	37.8	38.8	42.2	34.7	38.4	60	30	37	36	37	37	37	93	97	93	91	93
September	29.90	29.92	30.56	29.43	32.5	32.1	32.3	33.1	31.6	31.6	31.8	32.6	35.8	28.9	32.4	53	21	30	31	31	32	31	91	94	95	94	94
October	29.72	29.73	30.23	29.09	20.5	17.7	18.4	20.1	20.2	17.4	17.8	19.9	23.5	11.8	17.6	31	-9	20	17	17	19	18	96	96	97	96	96
November	30.11	30.13	30.67	29.34	-1.3	-3.2	-2.2	-1.4	-1.6	-3.4	-2.5	-1.7	4.0	-9.8	-2.9	26	-25	-4	-5	-5	-4	-4	87	90	86	88	88
December	30.22	30.24	30.90	29.68	-11.9	-12.2	-12.2	-13.3	-12.2	-12.4	-12.4	-13.6	-6.6	-18.8	-12.7	8	-37	-15	-16	-15	-17	-16	85	82	84	82	83
Year	29.98	30.00	30.98	29.09	11.9	10.4	11.5	13.3	11.5	10.1	11.0	12.8	17.0	6.0	11.5	70	-40	10	9	9	12	10	92	93	92	91	92

BETHEL, ALASKA

[$\phi=60^{\circ}47' N.$; $\lambda=161^{\circ}41' W.$]

January	29.40	29.44	29.80	28.80	22.9	21.6	21.4	24.2	21.1	20.0	19.4	21.6	27.8	15.4	21.6	49	-10	17	16	15	16	16	77	79	74	72	76
February	29.47	29.51	30.24	28.67	22.4	21.1	20.5	23.8	21.1	20.0	19.2	21.9	27.1	15.5	21.3	41	1	18	17	16	17	17	82	84	81	74	80
March	29.58	29.65	30.59	28.60	12.8	7.5	7.2	17.2	11.4	6.5	6.2	15.2	20.9	-6	10.2	35	-23	6	2	1	9	5	73	75	74	68	73
April	29.53	29.57	29.96	28.93	36.2	30.5	30.8	38.6	33.1	28.9	29.0	34.6	40.5	26.7	33.6	51	21	29	26	26	29	28	73	83	82	68	76
May	29.84	29.88	30.40	29.37	47.8	38.4	41.8	50.1	42.5	36.7	38.4	43.2	52.4	32.6	42.5	66	19	36	35	34	35	35	66	86	75	58	71
June	29.77	29.81	30.22	29.34	58.1	47.3	51.6	59.1	52.0	45.5	47.4	50.9	61.8	41.4	51.6	78	34	47	44	43	43	44	67	87	74	57	72
July	29.90	29.94	30.29	29.47	57.0	50.5	52.6	59.2	52.9	49.1	50.4	53.7	61.4	46.0	53.7	75	37	49	48	48	49	49	77	91	86	71	81
August	29.72	29.75	30.21	29.31	55.3	51.5	52.8	57.6	52.3	50.2	51.0	53.0	59.2	46.8	53.0	69	32	50	49	49	49	49	82	91	88	74	84
September	29.74	29.78	30.36	29.26	49.7	46.8	47.1	53.4	47.5	45.4	45.7	49.5	54.9	42.8	48.8	64	31	45	44	44	46	45	85	90	90	76	86
October	29.58	29.62	30.09	28.62	31.3	29.1	28.5	34.5	29.9	28.2	27.7	32.0	35.7	24.8	30.2	59	14	28	26	26	28	27	85	90	91	77	86
November	29.86	29.90	30.39	29.29	15.3	14.2	13.7	16.1	14.5	13.4	12.9	15.2	19.8	6.5	13.2	40	-20	10	13	8	10	9	77	85	78	77	86
December	29.95	29.99	30.56	29.29	-9.5	-9.0	-10.0	-7.2	-10.1	-9.7	-10.6	-7.9	-2.6	-15.4	-9.0	18	-29	-18	-17	-18	-14	-17	65	64	63	69	65
Year	29.70	29.78	30.59	28.60	33.3	29.2	29.9	35.6	30.7	27.8	28.2	31.9	38.4	23.5	30.9	78	-29	26	25	24	26	25	73	84	79	70	77

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

BAKER, OREG.

Airport [$H=3,368$ ft.; $H_b=3,373$ ft.; $H_i=5$ ft.; $H_r=3$ ft.; $H_a=28$ ft.] City [$H=3,445$ ft.; $H_b=3,471$ ft.; $H_i=36$ ft.; $H_r=41$ ft.; $H_a=54$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>Mi.</i>	<i>Mi.</i>																							
January	1.04	0.35	9.9	6.8	5.4	s.	20	s.	0	6	7	18	11	6	14	9	0	2	0	0	0	15	0	0	28	4	0
February	.83	.26	9.0	6.9	6.2	se.	20	n.	0	4	7	17	13	7	19	13	0	0	0	0	8	0	0	25	0	0	
March	.47	.18	5.3	5.9	6.2	se.	31	sw.	0	9	9	13	6	4	11	4	0	0	0	0	0	0	0	26	0	0	
April	1.33	.94	5.1	6.6	6.8	se.	26	sw.	0	3	15	12	11	6	5	2	1	0	0	0	0	0	0	10	0	2	
May	3.61	1.16	1.8	7.6	6.0	n.	26	sw.	0	4	5	22	22	15	2	2	2	0	0	0	0	0	0	9	0	6	
June	1.02	.57	.0	5.2	5.7	n.	16	n.	0	9	13	8	7	6	0	0	0	0	0	0	0	0	0	0	0	0	
July	.37	.18	.0	2.1	6.1	n.	20	sw.	0	25	6	0	4	3	0	0	1	0	0	0	0	9	2	0	0	3	
August	.22	.14	.0	2.4	6.1	n.	20	w.	0	22	7	2	5	1	0	0	0	0	0	0	0	13	2	0	0	4	
September	.34	.34	.0	3.6	5.9	s.	17	n.	0	17	9	4	1	1	0	0	0	0	0	0	0	1	0	1	0	1	
October	.59	.22	T	4.1	6.1	s.	23	sw.	0	16	8	7	7	3	2	0	0	1	0	0	0	0	0	11	0	0	
November	1.51	.55	10.6	7.9	6.3	se.	34	sw.	1	3	6	21	15	9	14	7	0	0	0	0	0	0	0	23	0	0	
December	1.91	.30	14.9	9.2	5.4	s.	26	sw.	0	0	4	27	19	12	18	14	0	5	2	1	0	9	0	0	25	0	0
Year	13.24	1.16	56.6	5.7	6.0	s.	34	sw.	1	118	96	151	121	73	85	51	4	8	2	1	0	32	23	4	158	4	16

BALTIMORE, MD.

Airport [$H=16$ ft.; $H_b=16$ ft.; $H_i=30$ ft.; $H_r=30$ ft.; $H_a=72$ ft.] City [$H=15$ ft.; $H_b=123$ ft.; $H_i=100$ ft.; $H_r=90$ ft.; $H_a=215$ ft.]

January	2.04	0.78	3.0	5.0	11.6	sw.	42	sw.	5	12	9	10	10	6	8	4	0	7	2	2	2	5	0	0	17	0	0
February	2.79	1.83	1.0	4.9	13.4	nw.	46	sw.	3	12	5	11	5	5	5	1	0	5	3	3	3	2	0	0	19	0	0
March	6.50	2.26	22.2	6.1	12.6	sw.	45	sw.	9	10	6	15	13	11	6	3	0	7	4	2	1	0	0	0	0	0	0
April	.88	.82	T	4.8	10.3	sw.	33	e.	2	11	13	6	4	2	1	0	0	4	0	0	0	0	0	0	0	0	0
May	4.19	1.90	.0	5.6	10.7	s.	34	se.	4	8	13	10	8	8	0	0	0	7	0	0	0	0	2	0	0	0	7
June	2.26	1.12	.0	6.6	9.3	s.	33	sw.	1	6	10	14	10	8	0	0	0	14	2	1	1	0	3	0	0	0	7
July	4.46	2.29	.0	5.5	8.6	sw.	35	nw.	3	9	11	11	10	8	0	0	1	4	1	0	0	13	3	0	0	11	
August	7.01	3.13	.0	6.3	8.6	s.	34	se.	1	8	7	16	13	9	0	0	0	9	1	1	1	0	5	0	0	7	
September	1.82	1.36	.0	5.0	8.6	n.	33	nw.	3	12	10	8	7	4	0	0	0	10	3	2	1	0	4	0	0	1	
October	7.75	2.52	.0	5.4	10.0	ne.	31	sw.	0	13	5	13	11	9	0	0	0	15	2	1	0	0	0	0	0	2	
November	2.36	.67	.0	4.9	10.4	s.	40	sw.	1	13	9	8	10	7	0	0	0	5	2	1	1	0	0	0	4	1	
December	3.96	1.53	5.1	6.9	10.9	sw.	44	sw.	4	7	6	18	15	13	9	4	0	10	5	1	1	3	0	0	17	0	0
Year	46.02	3.13	31.3	5.6	10.4	sw.	46	sw.	36	121	104	140	116	90	29	12	1	97	25	14	11	10	27	3	57	0	36

BARROW, ALASKA

[$H=13$ ft.; $H_b=13$ ft.; $H_i=4$ ft.; $H_r=3$ ft.; $H_a=30$ ft.]

January	0.15	0.04	1.8	6.1	12.1	ne.	47	se.	1	9	8	14	9	1	19	8	0	2	3	1	0	31	0	0	31	25	0
February	.15	.08	1.2	6.7	13.9	e.	36	se.	5	6	8	14	7	2	17	7	0	5	2	0	0	28	0	0	28	26	0
March	.06	.03	.6	4.5	15.9	e.	45	se.	4	13	8	10	4	0	7	4	0	10	0	1	0	31	0	0	31	31	0
April	.03	.03	.4	6.1	15.5	e.	35	se.	5	11	4	15	1	0	11	1	0	10	7	4	1	30	0	0	30	19	0
May	.31	.14	3.0	9.1	12.8	e.	34	w.	1	0	5	26	10	2	21	9	0	14	2	5	1	28	0	0	31	1	0
June	.25	.17	T	6.1	13.6	e.	31	e.	0	10	4	16	4	2	3	0	0	13	8	7	3	5	0	0	23	0	0
July	2.16	.65	.0	8.4	11.9	e.	34	ne.	2	2	7	22	14	10	0	0	0	18	11	9	3	0	0	0	6	0	0
August	1.19	.23	T	8.7	14.3	e.	39	e.	3	1	6	24	13	9	6	3	0	11	1	6	7	0	0	0	6	0	0
September	1.14	.36	2.2	9.1	18.7	e.	49	e.	7	1	4	25	13	6	18	7	0	7	3	3	1	13	0	0	23	0	0
October	.69	.14	5.8	9.0	11.6	e.	31	w.	0	1	4	26	16	8	22	16	0	7	1	4	0	31	0	0	31	6	0
November	.23	.10	1.0	5.2	15.2	e.	34	e.	1	11	10	9	8	2	16	8	0	1	0	0	0	30	0	0	30	27	0
December	.10	.05	.5	4.6	12.6	w.	34	e.	4	13	10	8	6	1	15	6	0	2	0	0	0	31	0	0	31	31	0
Year	6.46	.65	16.5	7.0	14.0	e.	49	e.	33	78	78	209	105	43	155	69	0	100	38	40	16	258	0	0	301	166	0

BETHEL, ALASKA

[$H=21$ ft.; $H_b=38$ ft.; $H_i=6$ ft.; $H_r=5$ ft.; $H_a=31$ ft.]

January	0.35	0.12	2.7	7.4	ne.					3	7	21	2	3	14	6	0	2	1	0	0	20	0	0	26	5	0
February	1.18	.27	7.1	8.8	ne.					2	1	25	15	9	21	11	0	4	0	0	0	17	0	0	27	0	0
March	.69	.29	8.4	6.3	ne.					9	7	15	10	4	15	10	0	4	2	2	0	29	0	0	31	16	0
April	1.18	.37	4.6	8.6	s.					5	4	24	13	9	17	8	3	6	6	3	0	1	0	0	28	0	0
May	1.58	.60	.3	7.5	ne.					2	3	23	12	7	4	1	0	5	2	2	1	0	0	0	14	0	0
June	1.35	.31	.0	8.1	n.					1	7	22	9	6	0	0	0	5	4	4	3	0	0	0	0	0	3
July	1.95	.97	.0	8.9	sw.					2	2	27	15	9	0	0	0	10	3	2	1	0	0	0	0	0	0
August	4.72	.71	.0	9.8	sw.					0	1	30	22	21	0	0	0	7	3	1	1	0	0	0	1	0	0
September	4.12	.92	.0	8.4	s.					2	5	23	23	21	0	0	0	5	4	2	1	0	0	0	1	0	0
October	1.82	.92	4.1	7.7	n.					4	6	21	14	8	19	10	0	8	4	3	2	12	0	0	28	0	0
November	1.24	.31	12.3	6.6	n.					7	7	16	14	8	16	12	0	7	6	5	4	21	0	0	29	12	0
December	.31	.15	3.7	3.2	n.					18	6	7	4	3	7	4	0	7	4	3	2	31	0	0	31	30	0
Year	20.49	.97	43.2	7.6	ne.					55	56	254	153	108	113	62	3	70	39	27	15	131	0	0	216	63	3

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

BILLINGS, MONT.
Airport [$\phi=45^{\circ}48'$ N.; $\lambda=108^{\circ}32'$ W.]

Month	Pressure				Temperature (° F.)													Moisture									
	Mean		Extremes		Mean													Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Extremes					Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
			In.	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%
January	26.416	30.223	26.770	26.020	23.1	21.2	26.9	28.6	20.4	18.8	23.6	24.7	34.6	17.1	25.8	49	-25	15	14	18	18	17	72	74	70	65	70
February	26.267	30.064	26.530	25.920	20.6	18.3	23.5	26.2	18.9	16.8	21.0	23.2	30.1	14.3	22.2	44	-8	15	13	16	17	15	77	79	71	68	74
March	26.257	29.987	26.639	25.790	33.0	29.4	38.0	41.6	28.8	26.4	32.0	33.9	45.1	26.3	35.7	66	12	22	21	23	23	22	64	71	56	49	60
April	26.199	29.855	26.660	25.760	45.7	40.4	53.6	56.0	39.6	36.3	43.1	44.5	60.8	36.7	48.8	81	24	32	31	32	32	32	62	72	48	44	57
May	26.261	29.916	26.622	25.890	48.4	42.9	56.4	58.5	44.0	40.8	47.3	48.3	61.9	41.5	51.7	80	32	40	38	39	39	39	74	85	55	52	67
June	26.269	29.888	26.720	25.860	55.9	51.0	65.3	66.6	50.7	47.5	54.3	55.3	71.7	49.2	60.4	81	41	46	44	46	47	46	72	80	50	52	63
July	26.364	29.946	26.673	26.020	67.5	60.0	77.8	81.3	57.4	53.9	61.3	62.0	86.2	58.1	72.2	99	52	50	49	51	50	50	56	69	41	37	51
August	26.327	29.912	26.690	26.010	65.4	57.5	74.2	78.4	54.8	51.5	59.0	59.5	82.1	54.8	68.4	96	48	47	47	49	47	47	54	69	42	36	50
September	26.338	29.968	26.640	26.000	55.2	50.2	61.6	67.4	48.0	45.6	51.5	52.9	70.9	46.7	58.8	91	29	42	42	44	41	42	65	75	56	44	60
October	26.348	30.020	26.750	25.870	46.8	42.6	54.2	56.4	40.5	38.3	44.5	45.1	62.2	39.4	50.8	84	22	34	33	35	34	34	62	71	51	46	57
November	26.232	29.962	26.770	25.430	32.3	31.2	37.0	37.2	28.8	27.7	31.8	31.8	43.5	26.3	34.9	65	11	24	22	25	24	24	70	70	63	60	66
December	26.244	30.003	26.700	25.820	27.5	25.5	32.3	32.5	25.1	23.3	28.2	28.6	39.2	21.1	30.2	60	4	21	19	22	23	21	77	77	66	66	71
Year	26.294	29.979	26.770	25.430	43.4	39.2	50.1	52.6	38.1	35.6	41.5	42.5	57.4	36.0	46.7	99	-25	32	31	33	33	32	67	74	56	52	62

BINGHAMTON, N. Y.
Airport [$\phi=42^{\circ}05'$ N.; $\lambda=76^{\circ}06'$ W.] City [$\phi=42^{\circ}06'$ N.; $\lambda=75^{\circ}55'$ W.]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	29.09	30.05	29.56	28.36	23.6	21.4	29.2	26.7	22.0	20.1	25.9	24.4	33.3	16.1	24.7	51	-15	19	17	19	20	19	81	83	65	74	76	76	76	76	76	76	76
February	28.95	29.91	29.45	28.38	20.2	19.6	25.4	22.9	19.1	18.7	22.9	21.0	29.0	15.4	22.2	46	-5	16	16	17	16	17	84	86	69	75	79	79	79	79	79	79	79
March	28.92	29.86	29.36	28.00	34.1	33.6	42.8	39.8	32.2	31.5	36.8	35.5	45.8	30.1	38.0	65	23	29	28	30	29	82	81	58	67	72	72	72	72	72	72	72	72
April	29.10	30.04	29.38	28.66	44.8	43.5	59.3	56.0	41.1	39.7	47.7	46.8	61.9	40.0	51.0	84	27	37	35	36	38	37	75	75	47	55	63	63	63	63	63	63	63
May	29.11	30.03	29.40	28.82	56.1	56.0	68.2	64.9	52.8	52.2	57.7	56.8	71.5	50.9	61.2	87	30	50	49	50	50	50	82	80	54	62	69	69	69	69	69	69	69
June	29.06	29.98	29.42	28.76	62.0	62.5	75.1	71.0	58.8	58.7	63.0	63.1	78.3	57.6	68.0	88	47	57	56	56	58	57	83	81	52	66	71	71	71	71	71	71	71
July	29.08	29.99	29.37	28.83	65.8	65.6	79.0	75.7	62.6	62.1	66.6	66.5	82.6	60.5	71.6	95	45	61	60	60	62	60	84	83	53	63	71	71	71	71	71	71	71
August	29.15	30.07	29.52	28.86	62.3	60.9	76.7	71.9	60.0	58.7	64.7	63.8	79.3	57.5	68.4	92	42	58	57	58	59	58	88	89	53	66	74	74	74	74	74	74	74
September	29.14	30.07	29.62	28.67	57.6	55.2	69.1	64.1	55.4	51.5	58.9	58.0	73.0	51.4	62.2	90	31	54	53	52	54	53	88	91	56	69	76	76	76	76	76	76	76
October	29.13	30.07	29.67	28.61	48.4	46.4	60.5	55.0	46.0	44.2	51.4	49.6	62.7	43.2	53.0	74	31	44	42	43	44	43	84	86	55	69	73	73	73	73	73	73	73
November	29.11	30.06	29.61	28.51	38.0	36.4	45.4	40.9	35.4	34.7	39.9	37.3	49.1	30.9	40.0	70	17	32	32	33	32	32	79	84	63	72	74	74	74	74	74	74	74
December	29.06	30.04	29.76	27.84	22.5	22.7	28.9	23.7	21.7	21.5	26.2	22.5	31.6	18.0	24.8	45	-17	20	19	21	20	20	90	85	71	85	83	83	83	83	83	83	83
Year	29.08	30.01	29.76	27.84	44.6	43.6	55.0	51.0	42.3	41.1	46.8	45.4	58.2	39.3	48.8	95	-17	40	39	39	40	40	83	84	58	69	73	73	73	73	73	73	73

BIRMINGHAM, ALA.
Airport [$\phi=33^{\circ}34'$ N.; $\lambda=86^{\circ}45'$ W.] City [$\phi=33^{\circ}32'$ N.; $\lambda=86^{\circ}50'$ W.]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)							(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	29.42	30.18	29.78	28.87	36.1	31.9	48.1	43.2	33.6	30.2	40.4	37.9	52.9	32.8	42.8	71	7	30	28	30	30	30	78	83	51	62	69	69	69	69	69	69
February	29.30	30.07	29.67	28.64	38.4	36.4	47.0	44.0	35.2	33.8	40.4	38.7	51.9	34.4	43.2	70	20	31	30	32	32	31	74	78	57	62	68	68	68	68	68	68
March	29.22	29.97	29.61	28.72	48.9	46.0	59.5	57.6	45.5	43.8	49.7	48.8	64.5	45.2	54.8	78	32	42	42	39	40	41	78	85	52	54	67	67	67	67	67	67
April	29.36	30.10	29.61	29.00	56.3	52.8	73.0	69.7	50.4	49.4	57.1	56.0	77.3	53.6	65.4	91	33	45	46	44	45	45	68	79	38	42	57	57	57	57	57	57
May	29.30	30.03	29.49	28.99	62.8	62.6	78.1	76.0	58.8	59.1	63.8	64.0	80.9	60.5	70.7	89	46	56	57	55	56	56	81	82	47	52	66	66	66	66	66	66
June	29.24	29.97	29.45	29.01	70.9	72.2	84.4	81.2	67.8	68.2	71.2	70.7	88.1	68.8	78.4	95	61	66	66	65	66	66	86	82	54	62	71	71	71	71	71	71
July	29.35	30.08	29.53	29.17	72.7	73.4	86.9	81.6	70.8	70.9	74.6	73.4	90.6	71.3	81.0	99	67	70	70	70	70	70	91	89	58	70	77	77	77	77	77	77
August	29.32	30.05	29.54	29.17	71.0	70.4	84.7	79.5	68.7	68.2	72.8	72.3	88.6	69.0	78.8	95	60	68	67	68	69	68	90	89	59	72	78	78	78	78	78	78
September	29.33	30.06	29.66	29.01	64.5	63.1	79.2	72.4	62.9	61.5	67.9	66.8	82.8	62.7	72.8	94	42	62	60	62	64	62	91	91	57	75	78	78	78	78	78	78
October	29.31	30.05	29.57	28.95	56.4	52.7	73.2	64.6	54.2	51.6	61.9	59.6	76.0	54.2	65.1	83	32	53	51	54	56	53	88	94	52	76	77	77	77	77	77	77
November	29.39	30.14	29.63	29.00	48.7	45.7	63.6	55.3	45.7	43.8	53.1	49.9	67.1	46.6	56.8	80	31	43	42	43	45	43	81	86	50	69	72	72	72	72	72	72
December	29.36	30.12	29.77	28.63	42.1	40.8	51.4	46.0	40.4	39.4	45.7	42.6	55.5	38.1	46.8	73	26	38	37	39	38	38	86	88	66	76	79	79	79	79	79	79
Year	29.33	30.07	29.78	28.63	55.7	54.0	69.1	64.3	52.8	51.7	58.2	56.7	73.0	53.1	63.0	99	7	50	50	50	51	50	83	86	53	64	75	75	75	75	75	75

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

BILLINGS, MONT.

Airport [$H=3,568$ ft.; $H_b=3,570$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=37$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
January	<i>In.</i>	<i>In.</i>	<i>In.</i>		<i>Mi.</i>		<i>Mi.</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

BINGHAMTON, N. Y.

Airport [$H=828$ ft.; $H_b=840$ ft.; $H_t=4$ ft.; $H_r=3$ ft.; $H_a=41$ ft.] [$H=858$ ft.; $H_b=871$ ft.; $H_t=57$ ft.; $H_r=49$ ft.; $H_a=79$ ft.]

January	1.60	0.47	9.3	7.1	6.2	w.	20	sw.	0	6	7	18	14	7	19	8	0	20	4	1	1	13	0	0	30	5	0
February	2.07	1.18	14.9	8.4	7.7	w.	20	w.	0	2	4	22	21	8	25	18	0	12	0	0	0	19	0	0	27	1	0
March	3.32	.82	11.0	8.0	6.9	w.	28	sw.	0	3	7	21	19	12	18	12	0	15	5	2	1	0	0	0	22	0	2
April	1.70	.61	4.7	6.7	6.6	w.	20	sw.	0	5	12	13	12	8	6	5	0	10	3	2	1	0	0	0	5	0	2
May	3.33	1.37	.0	8.0	5.8	se.	19	se.	0	1	9	21	14	10	0	0	0	18	11	5	4	0	0	0	1	0	8
June	3.69	1.39	.0	6.7	5.2	se.	20	w.	0	5	11	14	12	11	0	0	0	16	9	5	3	0	0	0	0	0	6
July	4.67	1.71	.0	6.8	5.1	w.	21	ne.	0	3	14	14	13	13	0	0	1	24	17	10	7	0	2	0	0	0	12
August	1.09	.40	.0	6.7	4.8	w.	18	w.	0	4	15	12	11	8	0	0	0	28	19	15	9	0	2	0	0	0	3
September	4.39	1.95	.0	6.5	5.4	w.	20	w.	0	8	7	15	12	8	0	0	0	23	10	9	9	0	1	0	1	0	2
October	3.06	1.19	.6	6.5	5.3	e.	17	s.	0	7	9	15	12	11	1	0	0	23	8	7	5	0	0	0	1	0	1
November	3.19	1.13	1.9	7.5	6.7	w.	24	w.	0	3	9	18	14	11	8	4	0	17	3	3	2	1	0	0	17	0	0
December	6.09	2.07	11.3	8.0	7.3	w.	38	n.	1	2	10	19	14	13	20	9	0	3	0	0	0	14	0	0	27	3	0
Year	38.20	2.07	53.7	7.2	6.1	w.	38	n.	1	49	114	202	168	120	97	57	1	209	89	59	42	47	5	0	131	9	36

BIRMINGHAM, ALA.

Airport [$H=610$ ft.; $H_b=630$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=55$ ft.] City [$H=694$ ft.; $H_b=700$ ft.; $H_t=11$ ft.; $H_r=3$ ft.; $H_a=48$ ft.]

January	1.89	0.85	T	4.4	7.7	n.	30	se.	0	16	5	10	7	5	4	0	0	0	0	0	0	2	0	0	13	0	0
February	3.62	2.13	T	6.5	8.6	n.	30	s.	0	8	4	16	8	6	1	0	0	0	0	0	0	0	0	0	14	0	2
March	5.85	2.34	2.5	5.5	9.5	s.	30	se.	0	12	4	15	11	11	1	0	0	2	1	0	0	1	0	0	1	0	4
April	1.03	.99	.0	4.2	6.8	s.	23	se.	0	17	3	10	2	2	0	0	0	0	0	0	0	0	1	0	0	0	2
May	3.95	1.60	.0	4.9	6.2	s.	16	se.	0	11	11	9	5	4	0	0	0	2	0	0	1	0	0	0	0	0	4
June	4.68	1.97	.0	5.5	6.1	s.	22	s.	0	7	15	8	13	9	0	0	0	0	0	0	0	0	11	0	0	0	15
July	2.15	.45	.0	5.8	5.2	sw.	19	nw.	0	4	19	8	17	13	0	0	0	0	0	0	0	18	6	0	0	0	19
August	2.08	1.31	.0	5.8	6.0	s.	16	se.	0	7	14	10	11	8	0	0	0	2	0	0	0	13	1	0	0	0	13
September	4.84	2.37	.0	5.1	5.7	n.	17	s.	0	11	10	9	10	8	0	0	0	0	0	0	0	6	0	0	0	0	4
October	1.40	.33	.0	4.1	6.2	n.	24	se.	0	16	5	10	9	8	0	0	0	0	0	0	0	0	0	0	0	0	2
November	1.57	1.02	.0	3.5	7.5	s.	20	se.	0	16	9	5	5	5	0	0	0	0	0	0	0	0	0	0	1	0	0
December	11.03	7.76	.0	6.4	8.3	n.	34	se.	1	9	5	17	13	10	0	0	0	2	1	0	2	0	0	0	9	0	4
Year	44.09	7.76	2.5	5.1	7.0	s.	34	se.	1	134	104	127	111	89	6	1	0	8	2	0	4	2	49	7	38	0	69

BISMARCK, N. DAK.

Airport [$H=1,650$ ft.; $H_b=1,660$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=41$ ft.]

January	0.04	0.02	0.7	4.4	10.5	nw.	43	nw.	2	14	10	7	2	0	8	2	0	3	1	0	0	12	0	0	31	10	0
February	.30	.08	6.0	8.2	9.4	nw.	34	e.	2	1	8	19	11	2	23	11	0	6	2	0	0	22	0	0	28	7	0
March	1.18	.51	11.3	7.5	13.9	nw.	49	nw.	4	6	6	19	9	6	17	6	0	3	1	0	0	7	0	0	31	0	0
April	2.58	.75	9.0	5.7	13.1	se.	36	se.	5	8	12	10	9	7	4	3	0	1	0	0	0	2	0	0	12	0	2
May	3.04	1.15	3.3	6.9	13.5	ne.	37	n.	3	7	8	16	15	14	3	1	1	6	0	0	0	0	0	0	5	0	4
June	2.21	.43	.0	5.6	12.9	nw.	40	w.	6	9	12	9	14	12	0	0	0	7	1	1	2	0	0	0	0	0	4
July	4.17	1.23	.0	5.0	8.5	nw.	54	nw.	2	12	12	7	13	12	0	0	3	8	2	0	2	0	2	0	0	0	8
August	1.17	.42	.0	4.6	9.4	nw.	34	nw.	2	15	7	9	10	6	0	0	0	13	3	2	1	0	3	1	6	0	5
September	2.08	.85	4.1	5.1	10.1	se.	34	nw.	4	13	6	11	11	5	3	1	0	5	1	2	2	0	4	1	6	0	5
October	.71	.30	1.5	5.0	9.9	nw.	42	nw.	2	13	7	11	5	4	6	2	0	3	1	0	1	5	0	0	10	0	0
November	.08	.06	.7	5.9	9.3	nw.	31	nw.	0	7	11	12	3	1	10	2	0	3	1	0	0	9	0	0	29	0	0
December	.48	.16	7.0	7.4	9.1	e.	40	nw.	1	6	4	21	7	4	22	7	0	10	2	3	0	23	0	0	31	10	0
Year	18.04	1.23	43.6	5.9	10.8	nw.	54	nw.	33	111	103	151	109	73	96	35	4	68	15	8	8	80	9	2	183	27	37

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

BLOCK ISLAND, R. I.
[$\phi=41^{\circ}10' N.$; $\lambda=71^{\circ}36' W.$]

Month	Pressure				Temperature (°F.)														Moisture																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Mean		Extremes		Mean														Extremes										Mean																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
			In.	In.	In.	In.	°	°	°	°	°	°						°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

BOISE, IDAHO
(Airport [$\phi=43^{\circ}34' N.$; $\lambda=116^{\circ}13' W.$])

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BOSTON, MASS.
(Airport [$\phi=42^{\circ}22' N.$; $\lambda=71^{\circ}02' W.$])

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BROWNSVILLE, TEX.
(Airport [$\phi=25^{\circ}05' N.$; $\lambda=97^{\circ}30' W.$] City [$\phi=25^{\circ}05' N.$; $\lambda=97^{\circ}28' W.$])

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	30.11	30.17	30.63	29.64	54.0	51.2	62.7	59.0	52.1	49.8	55.2	54.2	65.2	50.0	57.6	81	33	50	48	50	50	50	89	91	66	76	80	80
February	29.90	29.96	30.26	29.44	57.6	56.7	64.4	62.0	55.4	55.0	58.4	57.5	67.6	53.1	60.4	82	34	54	54	54	54	54	88	90	72	77	82	82
March	29.85	29.91	30.31	29.40	61.6	59.9	72.2	68.3	58.3	56.8	61.7	60.7	73.6	57.7	65.6	83	42	55	54	54	55	55	82	83	55	64	71	71
April	29.84	29.90	30.26	29.38	69.5	67.9	79.0	74.5	66.8	65.5	69.3	68.4	81.3	66.0	73.6	95	49	65	64	64	65	65	87	88	62	74	77	77
May	29.83	29.88	30.04	29.52	74.9	73.7	84.6	80.4	72.3	71.5	74.2	73.7	86.3	71.9	79.1	91	63	71	71	70	71	71	88	90	62	73	78	78
June	29.77	29.83	30.04	29.74	78.9	76.7	88.1	84.8	75.9	74.5	76.9	76.8	91.2	75.2	83.2	101	66	75	74	73	74	74	88	90	62	70	78	78
July	29.94	29.99	30.09	29.80	79.2	76.6	88.5	86.1	76.4	74.9	77.6	77.2	91.9	75.7	83.8	97	60	75	74	73	74	74	88	93	62	67	77	77
August	29.84	29.90	30.01	29.52	78.9	76.4	89.3	85.8	81.7	74.4	77.5	76.6	91.8	75.5	83.6	95	73	75	74	73	73	74	88	91	60	66	76	76
September	29.87	29.93	30.15	29.63	75.3	72.7	86.4	81.2	71.8	70.1	74.6	73.6	88.3	71.4	79.8	95	55	70	68	69	70	69	84	88	58	70	75	75
October	29.87	29.93	30.12	29.62	72.3	70.7	84.1	78.4	69.8	68.5	72.8	71.9	86.2	68.7	77.4	91	62	69	68	68	69	68	89	91	59	73	78	78
November	29.95	30.01	30.42	29.66	65.4	63.9	76.8	71.6	62.0	61.2	66.5	65.2	79.5	59.9	69.7	87	42	60	59	61	61	60	82	85	58	70	74	74
December	29.96	30.02	30.27	29.43	60.1	58.6	73.7	67.8	58.0	57.0	64.0	62.1	76.3	53.6	65.0	88	31	56	56	58	58	57	88	90	59	72	77	77
Year	29.89	29.95	30.63	29.38	69.0	67.1	79.2	75.0	66.2	64.9	69.1	68.2	81.6	64.9	73.2	101	31	65	64	64	64	64	87	89	61	71	77	77

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

BLOCK ISLAND, R. I.

[H=35 ft.; H_b=26 ft.; H_i=11 ft.; H_r=3 ft.; H_a=46 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																			
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.					
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm		
January	In. 4.03	In. 0.98	In. 7.9	4.4	Mi. 19.1	w.	47	nw.	13	16	4	11	11	11	9	5	0	6	0	2	2	0	7	0	0	25	0	0	0
February	2.52	1.08	2.2	4.1	21.6	nw.	52	nw.	16	13	8	7	6	4	6	2	0	6	2	2	2	9	0	0	25	0	0	0	
March	6.20	1.27	T	5.1	18.3	w.	56	se.	13	10	13	8	14	13	2	1	0	10	2	1	3	0	0	0	4	0	0	0	
April	.85	.70	2.0	4.6	14.6	sw.	38	e.	3	11	10	9	7	3	2	2	0	10	1	0	1	0	0	0	2	0	1	1	
May	1.73	.77	.0	4.6	12.6	sw.	30	sw.	0	11	14	6	7	5	0	0	0	21	9	9	13	0	0	0	0	0	3	3	
June	1.64	.36	.0	4.4	11.7	sw.	25	w.	0	12	11	7	12	10	0	0	0	15	4	9	4	0	0	0	0	0	3	3	
July	2.73	1.04	.0	3.7	12.5	sw.	34	e.	1	19	5	7	7	7	0	0	0	17	4	1	10	0	0	0	0	0	2	2	
August	5.70	2.56	.0	3.8	11.7	sw.	30	ne.	0	17	8	6	8	7	0	0	0	17	3	3	3	0	0	0	0	0	3	3	
September	1.85	.77	.0	4.0	12.9	sw.	34	ne.	2	16	6	8	7	6	0	0	0	18	7	2	6	0	0	0	0	0	0	0	
October	3.60	1.42	.0	4.4	15.0	e.	38	n.	3	14	9	8	9	8	0	0	0	13	1	0	1	0	0	0	0	0	3	3	
November	4.46	1.44	T	5.1	18.3	nw.	47	nw.	13	13	6	11	15	10	1	0	0	7	1	0	0	0	0	0	4	0	2	2	
December	5.36	1.38	10.8	5.4	21.2	w.	57	w.	18	13	4	14	12	12	8	6	0	11	1	1	0	5	0	0	20	1	0	0	
Year	40.67	2.56	22.9	4.5	15.8	w.	57	w.	82	165	98	102	115	96	28	16	0	151	35	30	43	21	0	0	80	1	17	17	

BOISE, IDAHO

Airport [H=2,842 ft.; H_b=2,858 ft.; H_i=5 ft.; H_r=3 ft.; H_a=49 ft.]

January	0.98	0.38	11.5	7.6	7.9	se.	31	se.	0	5	4	22	12	7	13	5	0	13	7	6	7	21	0	0	28	5	0	0
February	1.41	.36	5.0	6.3	10.0	se.	30	se.	0	7	8	13	12	9	14	6	1	6	2	1	1	4	0	0	23	0	2	2
March	.52	.20	3.5	5.4	10.9	se.	34	se.	2	11	10	10	6	5	2	2	0	5	2	1	3	0	0	0	22	0	1	1
April	1.28	.47	T	6.4	12.0	se.	46	w.	8	6	12	12	11	8	1	0	0	1	0	1	0	0	0	0	4	0	1	1
May	4.00	1.51	.0	7.4	10.4	nw.	47	s.	4	3	10	18	16	14	0	0	1	1	0	0	0	0	1	0	5	0	5	5
June	.62	.41	.0	4.1	9.0	nw.	31	nw.	0	8	20	2	6	3	0	0	1	0	0	0	0	0	1	0	0	0	2	2
July	T	T	.0	1.9	9.0	nw.	31	se.	0	26	4	1	0	0	0	0	0	0	0	0	0	0	22	9	0	0	0	0
August	.02	.01	.0	1.6	9.3	nw.	38	nw.	2	27	2	2	2	0	0	0	0	0	0	0	0	0	17	10	0	0	2	2
September	.01	.01	.0	2.8	8.7	nw.	31	sw.	0	21	6	3	1	0	0	0	0	0	0	0	0	0	3	1	0	0	2	2
October	.58	.38	T	3.5	9.0	se.	28	se.	0	19	3	9	4	3	1	0	0	2	0	0	0	0	0	0	7	0	1	1
November	2.31	.55	.5	7.4	10.6	se.	47	nw.	4	4	7	19	16	13	6	3	1	4	1	2	2	0	0	0	20	0	1	1
December	2.75	.55	1.0	8.6	10.7	se.	34	nw.	2	2	3	26	14	10	14	6	0	15	8	5	9	3	0	0	21	0	0	0
Year	14.48	1.51	21.5	5.2	9.8	se.	47	nw.	22	139	89	137	100	72	51	22	4	47	20	16	22	28	44	20	130	5	17	17

BOSTON, MASS.

Airport [H=12 ft.; H_b=29 ft.; H_i=33 ft.; H_r=3 ft.; H_a=62 ft.]

January	3.69	1.81	8.2	5.6	12.5	sw.	35	s.	2	11	9	11	7	6	9	3	0	5	2	2	0	9	0	0	26	0	0	0
February	3.45	1.42	6.2	5.2	14.6	nw.	33	nw.	3	9	10	9	7	6	9	4	0	5	4	2	0	10	0	0	27	0	0	0
March	7.01	1.62	7.9	6.8	13.1	w.	47	ne.	3	4	12	15	12	11	6	4	0	8	4	2	1	0	0	0	4	0	1	1
April	1.59	.77	1.5	6.0	11.7	sw.	31	ne.	0	7	13	10	11	9	3	2	1	3	0	0	0	0	0	0	0	0	1	1
May	2.11	.89	.0	7.2	9.6	sw.	29	sw.	0	4	11	16	10	10	0	0	0	16	8	6	4	0	0	0	0	0	2	2
June	4.24	1.81	.0	6.7	9.4	sw.	29	nw.	0	3	14	13	16	12	0	0	0	14	2	2	0	1	0	0	0	0	5	5
July	4.14	1.52	.0	6.8	9.0	sw.	30	nw.	0	5	12	14	12	12	0	0	0	16	7	7	4	0	2	0	0	0	3	3
August	2.09	1.07	.0	5.7	9.5	sw.	25	se.	0	8	11	12	7	4	0	0	0	8	2	2	1	0	2	0	0	0	1	1
September	1.96	1.12	.0	5.4	10.0	sw.	40	s.	1	11	9	10	11	4	0	0	0	12	4	4	3	0	1	0	0	0	0	0
October	2.78	1.12	.0	5.6	10.2	sw.	33	ne.	1	8	13	10	10	6	0	0	0	4	1	1	1	0	0	0	0	0	1	1
November	4.69	1.00	T	6.4	11.9	nw.	44	sw.	2	9	7	14	11	10	6	0	0	13	1	1	0	1	0	0	8	0	0	0
December	4.72	1.74	6.8	6.3	13.5	w.	47	se.	3	8	9	14	11	10	10	4	0	3	1	1	0	8	0	0	24	4	1	1
Year	42.47	1.81	30.6	6.1	11.2	sw.	47	ne.	15	87	130	148	125	100	43	17	1	107	36	30	14	28	6	0	89	4	15	15

BROWNSVILLE, TEX.

Airport [H=16 ft.; H_b=20 ft.; H_i=5 ft.; H_r=3 ft.; H_a=33 ft.] [City [H=35 ft.; H_b=57 ft.; H_i=88 ft.; H_r=80 ft.; H_a=96 ft.]

January	0.60	0.40	0.0	6.0	11.0	n.	30	nw.	0	9	8	14	7	3	0	0	0	6	1	0	0	0	0	0	0	0	0	0
February	1.26	.33	.0	8.4	11.7	n.	29	n.	0	0	8	20	12	9	0	0	0	6	0	1	0	0	0	0	0	0	0	0
March	.33	.18	.0	5.9	12.7	se.	38	n.	2	8	8	15	2	2	0	0	0	5	0	1	2	0	0	0	0	0	0	0
April	.10	.05	.0	7.5	14.0	se.	42	se.	3	2	10	18	4	1	0	0	0	8	2	2	1	0	1	1	0	0	3	3
May	1.67	1.67	.0	6.9	12.6	se.	27	se.	0	4	13	14	2	1	0	0	0	7	0	0	0	0	4	0	0	0	2	2
June	13.06	8.18	.0	5.9	11.3	se.	27	se.	0	7	14	9	11	11	0	0	0	7	0	0	0	17	5	0	0	0	8	8
July	.62	.28	.0	6.2	8.7	se.	25	se.	0	2	21	8	9	4	0	0	0	4	1	1	0	25	1	0	0	0	10	10
August	2.64	1.10	.0	6.3	9.0	se.	27	se.	0	4	17	10	10	8	0	0	0	5	2	0	0	26	1	0	0	0	3	3
September	2.46	.94	.0	6.9	9.1	se.	30	se.	0	3	13	14	9	7	0	0	0	5	0	0	0	16	1	0	0	0	8	8
October	.61	.27	.0	6.2	8.9	se.	27	s.	0	4	15	12	9	3	0	0	0	12	0	0	0	3	0	0	0	0	4	4
November	.86	.62	.0	6.0	9.1	se.	26	n.	0	5	13	12	4	3	0	0	0	8	1	0	0	0	0	0	0	0	0	0
December	.40	.30	.0	5.5	8.9	se.	26	se.	0	9	12	10	4	3	0	0	0	14	7	6	7	0	0	0	1	0	0	0
Year	24.61	8.18	.0	6.5	10.6	se.	42	se.	5	57	152	156	83	55	0	0	0	87	14	11	10	0	92	9	1	0	38	38

UNITED STATES METEOROLOGICAL YEARBOOK

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

BUFFALO, N. Y.

Airport [$\phi=42^{\circ} 56' N.$; $\lambda=78^{\circ} 44' W.$] City [$\phi=42^{\circ} 53' N.$; $\lambda=78^{\circ} 53' W.$]

Month	Pressure				Temperature (° F.)											Moisture												
	Mean		Extremes		Mean											Extremes		Mean										
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly			Dew point				Relative humidity						
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.				1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly			
	In. (1)	In.	In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)
January	29.16	30.02	29.65	28.35	23.3	22.1	26.9	25.4	21.8	20.4	24.3	23.7	30.1	18.4	24.2	45	-5	18	16	19	20	18	79	75	70	78	76	
February	29.10	29.97	29.62	28.41	19.4	18.8	23.2	21.5	18.4	17.8	20.9	20.2	26.7	15.1	20.9	44	1	16	15	16	17	16	84	84	72	81	80	
March	29.01	29.85	29.49	27.96	33.3	33.1	38.9	35.3	31.7	31.2	35.0	33.0	42.1	30.1	36.1	62	24	29	28	30	30	29	85	83	71	80	80	
April	29.21	30.05	29.53	28.73	44.0	43.2	55.5	49.0	40.1	39.7	46.1	43.3	53.8	39.8	46.8	80	27	36	36	37	37	36	74	76	53	65	67	
May	29.18	30.00	29.50	28.84	54.1	54.9	64.8	59.3	51.3	51.2	55.7	53.4	63.6	49.3	56.4	81	35	49	48	49	49	49	84	79	59	70	73	
June	29.15	29.97	29.46	28.86	60.4	63.3	74.1	70.2	57.9	59.4	63.4	62.6	72.8	58.6	65.7	88	49	56	57	57	58	57	86	80	57	67	72	
July	29.17	29.98	29.43	28.89	64.7	65.9	76.2	72.7	61.0	61.9	65.2	64.5	74.1	61.9	68.0	83	52	59	59	58	59	59	82	80	57	65	71	
August	29.23	30.04	29.58	28.94	63.2	63.9	75.9	70.6	60.0	60.5	64.6	64.1	73.9	61.7	67.8	82	51	58	58	58	60	59	84	83	56	70	73	
September	29.21	30.04	29.70	28.68	57.3	56.1	68.1	62.7	54.4	53.7	58.8	57.6	69.3	54.6	62.0	82	37	52	52	52	54	52	84	85	59	73	75	
October	29.19	30.02	29.69	28.59	49.5	47.6	58.8	53.1	46.2	44.8	50.4	48.3	59.8	46.5	53.2	75	31	43	42	43	44	43	79	82	58	72	73	
November	29.19	30.04	29.74	28.57	39.2	37.0	44.2	39.9	36.3	35.0	38.9	36.8	46.9	33.7	40.3	63	19	32	32	32	33	32	77	82	63	75	75	
December	29.16	30.03	29.77	28.16	24.7	24.9	27.8	24.9	23.4	23.4	25.7	23.6	30.4	20.0	25.2	46	-7	21	20	22	20	21	83	81	77	82	80	
Year	29.16	30.00	29.77	27.96	44.4	44.2	52.9	48.7	41.9	41.6	45.8	44.3	53.6	40.8	47.2	88	-7	39	39	39	40	39	82	81	63	73	75	

BURLINGTON, IOWA

Airport [$\phi=40^{\circ} 46' N.$; $\lambda=91^{\circ} 07' W.$]

January	29.33	30.12	29.89	28.52	22.8	20.5	29.5	26.2	21.2	19.3	26.1	23.7	33.3	15.7	24.5	58	-14	17	15	18	18	17	76	78	62	68	71
February	29.30	30.09	29.60	28.08	25.0	22.9	29.6	28.1	23.3	21.6	26.7	26.0	32.1	21.0	26.6	43	2	19	18	21	21	20	77	81	69	74	75
March	29.09	29.85	29.52	28.44	37.0	35.2	45.2	40.3	34.3	32.9	38.9	37.9	49.4	32.0	40.7	75	23	31	30	31	32	31	78	80	59	66	70
April	29.27	30.03	29.65	28.81	50.5	47.3	62.8	60.8	45.7	43.2	51.6	50.9	67.4	44.7	56.0	87	29	41	38	41	42	41	71	72	48	53	61
May	29.20	29.94	29.52	28.74	56.7	54.6	67.1	65.0	53.3	51.5	57.8	57.1	71.1	51.2	61.2	90	35	51	49	51	51	50	81	82	59	63	71
June	29.19	29.93	29.44	28.80	66.6	66.2	77.5	75.0	63.4	63.1	67.2	66.3	81.9	62.4	72.2	96	45	62	62	62	61	62	84	85	60	64	73
July	29.24	29.98	29.43	29.03	70.4	68.4	82.6	80.7	67.2	66.1	71.3	71.6	86.5	65.8	76.2	96	50	66	63	66	67	66	85	89	58	65	74
August	29.26	30.00	29.50	29.07	67.6	65.2	81.4	77.1	63.9	62.9	68.5	67.8	84.9	62.7	73.8	97	50	62	62	62	63	62	82	88	53	63	72
September	29.26	30.01	29.76	29.01	59.5	56.9	70.1	65.7	56.3	54.9	61.0	59.7	74.0	54.7	64.4	92	25	54	53	55	56	54	82	88	61	70	75
October	29.24	30.00	29.60	28.57	49.9	46.3	63.0	56.1	45.9	44.0	51.6	48.6	66.8	42.4	54.6	83	18	42	41	41	41	42	74	83	47	58	66
November	29.24	30.01	29.73	28.61	38.0	36.8	46.7	42.7	35.7	34.7	41.1	39.0	49.9	31.5	40.7	77	14	33	32	34	34	33	81	81	64	73	75
December	29.32	30.11	29.86	28.74	21.2	21.2	27.4	24.4	20.2	20.4	25.4	23.1	30.3	15.6	23.0	44	-6	18	18	21	20	20	86	87	76	83	83
Year	29.25	30.01	29.89	28.44	47.1	45.1	56.9	53.7	44.2	42.9	48.9	47.6	60.6	41.6	51.2	97	-14	41	40	42	42	42	80	83	60	67	72

BURLINGTON, VT.

Airport [$\phi=44^{\circ} 28' N.$; $\lambda=73^{\circ} 11' W.$] City [$\phi=44^{\circ} 29' N.$; $\lambda=73^{\circ} 12' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.55	30.01	30.03	28.72	17.6	16.1	21.9	19.1	16.1	14.8	19.6	17.6	26.5	9.1	17.8	45	-17	11	10	13	13	12	74	75	66	77	73
February	29.39	29.85	29.96	28.77	14.0	12.2	22.7	17.3	13.1	11.4	20.2	16.1	24.2	8.8	16.5	42	-17	9	8	14	12	11	80	82	66	78	77
March	29.39	29.84	29.94	28.46	32.3	32.5	41.0	36.2	30.5	30.6	36.2	33.0	41.9	28.9	35.4	57	22	28	27	29	28	28	82	81	64	72	75
April	29.55	29.99	29.98	29.13	40.1	41.5	53.4	48.1	37.3	38.3	45.2	43.4	54.5	36.4	45.4	79	28	34	34	37	39	36	80	76	58	72	71
May	29.56	29.99	29.88	29.25	55.1	58.4	68.2	62.5	52.1	54.0	58.6	56.8	68.4	49.9	59.2	83	34	50	50	52	53	51	84	76	57	71	72
June	29.50	29.93	29.87	29.15	59.3	63.5	74.1	68.3	57.2	59.5	64.0	62.5	74.0	56.2	65.1	88	43	56	57	58	59	57	89	79	59	74	75
July	29.50	29.93	29.90	29.19	63.3	66.4	78.5	71.8	60.3	62.1	66.7	64.6	77.8	58.9	68.4	94	45	58	60	60	60	60	85	78	55	69	72
August	29.58	30.01	30.00	29.19	62.1	63.8	76.0	69.1	59.3	60.5	65.2	63.3	76.1	57.2	66.6	86	39	57	58	59	60	58	86	83	57	73	75
September	29.59	30.02	30.08	29.04	54.8	55.3	68.4	60.3	52.8	53.2	59.9	55.8	69.5	49.0	59.2	87	29	51	52	54	52	52	88	87	62	76	78
October	29.59	30.04	30.20	29.07	44.3	44.7	59.4	49.8	41.9	42.1	51.2	45.9	59.0	39.6	49.3	69	30	39	39	44	42	41	84	81	57	75	74
November	29.56	30.01	30.12	28.87	34.9	33.8	41.3	36.3	32.5	31.8	36.9	33.4	43.4	29.1	36.2	62	11	29	28	30	29	29	79	81	66	74	75
December	29.52	29.98	30.42	28.06	18.2	17.9	23.3	20.4	17.2	17.0	21.1	18.8	26.2	12.0	19.1	41	-23	14	14	16	15	15	83	85	72	78	79
Year	29.52	29.97	30.42	28.06	41.3	42.2	52.4	46.6	39.2	39.6	45.4	42.6	53.5	36.3	44.8	94	-23	36	36	39	38	38	83	80	62	74	75

CAIRO, ILL.

[$\phi=37^{\circ} 00' N.$; $\lambda=89^{\circ} 10' W.$]

January	29.78	30.18	30.26	29.02	29.9	37.5	27.7	32.9	42.5	25.9	34.2	65	-5	24	25	25	78	63	71	77
February	29.68	30.07	30.00	28.91	33.5	38.1	31.7	34.7	43.0	30.4	36.7	60	16	29	29	29	82	72	77	77
March	29.52	29.91	29.94	29.00	43.5	54.6	40.5	46.4	59.6	41.0	50.3	76	31	37	37	37	79	55	67	67
April	29.69	30.07	30.00	29.23	54.2	65.9	49.7	55.4	69.9	52.7	61.3	84	35	45	46	46	73	53	63	63
May	29.62	29.99	29.85	29.32	61.7	72.4	57.9	62.4	76.6	58.3	67.4	92	47	55	56	55	80	58	69	69
June	29.56	29.93	29.78	29.27	71.5	83.1	68.7	73.0	86.7	68.2	77.4	95	55	67	68	68	87	63	75	75
July	29.65	30.02	29.83	29.46	74.9	88.2	71.3	75.6	92.2	72.5	82.5	98	65	70	70	70	84	56	70	70
August	29.64	30.02	29.85	29.43	70.9	82.4	68.8	73.2	85.6	69.2	77.4	100	56	68	69	68	90	66	78	78
September	29.67	30.05	30.10	29.44	63.5	77.4	61.1	66.5	80.9	61.4	71.2	92	39	59	59	59	86	55	71	71
October	29.65	30.03	29.91	29.14	53.9	68.8	51.4	57.6	71.7	51.4	61.6	83	31	49	49	49	84	52	68	68
November	29.70	30.09	30.12	29.12	47.1	56.0	44.3	48.9	59.8	43.8	51.8	78	28	41	41	41	80	60	70	70
December	29.73	30.12	30.17	29.12	34.8	40.3	33.4	37.4	43.7	31.2	37.4	74	17	31	33	32	86	76	81	81
Year	29.66	30.04	30.26	28.91	53.3	63.7	50.5	55.3	67.7	50.5	59.1	100	-5	48	48	48	82	61	72	72

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

BUFFALO, N. Y.

Airport [$H=693$ ft.; $H_b=706$ ft.; $H_t=33$ ft.; $H_r=31$ ft.; $H_a=96$ ft.] City [$H=604$ ft.; $H_b=768$ ft.; $H_t=243$ ft.; $H_r=237$ ft.; $H_a=279$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm
January	In. 3.25	In. 0.54	In. 31.0	8.0	Mi. 18.4	sw. 65	w. 7	14	4	6	21	18	15	21	14	0	6	1	0	0	18	0	0	30	2	0	
February	4.26	2.19	28.0	7.9	15.8	w. 43	w. 7	4	4	5	19	22	17	24	19	0	3	2	0	0	20	0	0	28	0	0	
March	3.79	1.32	13.7	8.0	17.2	sw. 66	w. 8	3	3	5	23	17	15	20	12	0	4	0	0	0	1	0	0	26	0	1	
April	2.16	1.03	4.1	5.6	14.8	sw. 44	w. 7	10	10	10	8	7	4	3	0	3	3	0	0	0	0	0	0	7	0	1	
May	3.75	1.35	.0	7.3	14.7	sw. 52	sw. 12	3	11	17	17	13	0	0	0	2	0	0	0	0	0	0	0	0	0	5	
June	.76	.24	.0	5.9	10.6	sw. 38	w. 3	8	10	12	12	8	0	0	0	4	0	0	0	0	0	0	0	0	0	4	
July	2.42	1.40	.0	5.4	12.8	sw. 38	sw. 8	10	10	11	11	7	0	0	0	1	1	0	0	0	0	0	0	0	0	5	
August	2.45	1.12	.0	5.5	12.3	sw. 44	w. 3	10	9	12	9	6	0	0	0	2	1	0	0	0	0	0	0	0	0	7	
September	3.40	1.93	.0	5.9	13.5	s. 50	w. 9	7	12	11	13	8	0	0	0	1	0	0	0	0	0	0	0	0	0	1	
October	3.12	1.01	T	6.3	15.2	s. 47	sw. 6	10	4	17	16	12	2	1	1	1	1	0	0	0	0	0	0	2	0	0	
November	4.26	1.15	8.7	6.9	16.4	w. 59	sw. 12	5	10	15	16	14	8	4	1	3	2	0	2	1	0	0	13	0	0	0	
December	5.01	1.60	26.7	8.6	18.4	w. 61	w. 8	2	5	24	21	14	21	15	0	5	2	0	0	16	0	0	31	2	0	0	
Year	38.63	2.19	112.2	6.8	15.0	sw. 66	w. 97	76	97	192	180	136	100	68	2	35	13	0	2	56	0	0	137	4	24	0	

BURLINGTON, IOWA

Airport [$H=700$ ft.; $H_b=702$ ft.; $H_t=6$ ft.; $H_r=4$ ft.; $H_a=35$ ft.]

January	0.57	0.39	4.7	4.8	9.2	nw.	27	nw.	0	13	7	11	3	2	6	3	0	14	6	4	4	10	0	0	30	9	0
February	2.57	1.44	6.2	7.7	9.3	nw.	27	nw.	0	1	9	18	10	7	19	7	0	10	6	5	5	12	0	0	25	0	3
March	1.86	.70	.5	7.5	11.4	w.	34	w.	1	5	6	20	9	6	7	1	0	9	1	1	1	1	0	0	18	0	3
April	2.09	.89	1.7	5.5	10.4	s.	34	s.	2	11	7	12	6	6	2	1	0	4	0	0	0	0	0	0	3	0	6
May	3.51	.64	0	7.3	9.9	s.	39	sw.	2	2	12	17	13	11	0	0	1	10	2	2	1	0	0	0	0	0	9
June	4.80	1.33	0	7.1	7.2	se.	39	w.	1	4	7	19	10	8	0	0	0	14	2	2	1	0	8	1	0	0	10
July	4.30	1.30	0	4.7	7.1	s.	24	s.	0	12	13	6	13	12	0	0	0	11	1	1	0	0	8	1	0	0	16
August	1.80	.82	0	4.4	7.2	s.	20	sw.	0	12	14	5	6	5	0	0	0	18	2	2	0	0	7	1	0	0	6
September	4.85	2.09	1.2	6.9	8.0	s.	24	nw.	0	8	10	12	15	8	1	1	1	14	3	3	1	0	2	0	1	0	6
October	.79	0.35	T	4.5	8.0	s.	34	s.	2	13	11	7	8	4	1	0	1	10	1	0	0	0	0	0	6	0	2
November	4.45	2.11	4.9	6.8	11.0	s.	33	s.	2	7	6	17	14	11	6	4	0	15	4	2	2	3	0	0	13	0	4
December	3.00	1.11	8.7	7.1	8.8	nw.	27	nw.	0	4	11	16	11	7	13	5	0	18	5	5	4	18	0	0	30	4	2
Year	34.59	2.11	27.9	6.1	9.0	nw.	39	sw.	10	92	113	160	118	87	55	22	3	147	33	27	21	44	25	3	126	13	67

BURLINGTON, VT.

Airport [$H=331$ ft.; $H_b=340$ ft.; $H_t=6$ ft.; $H_r=4$ ft.; $H_a=64$ ft.] City [$H=398$ ft.; $H_b=403$ ft.; $H_t=11$ ft.; $H_r=3$ ft.; $H_a=48$ ft.]

January	1.43	0.55	9.3	7.2	11.1	s.	41	s.	4	5	5	21	14	7	19	11	0	3	1	0	1	23	0	0	31	10	0
February	1.45	.45	18.2	7.3	8.6	nw.	24	s.	0	6	4	18	18	12	20	17	0	7	1	0	0	22	0	0	28	7	0
March	2.89	.92	13.0	7.6	8.5	nw.	34	se.	1	6	2	23	15	14	15	11	0	9	1	0	1	0	0	0	28	0	0
April	3.08	1.41	5.0	6.5	9.0	n.	34	s.	2	7	9	14	12	10	10	3	0	13	3	0	1	0	0	0	12	0	1
May	2.13	.50	0	7.2	9.1	s.	35	s.	1	1	15	15	13	9	0	0	0	8	1	0	0	0	0	0	0	0	4
June	6.36	4.45	0	7.0	7.2	s.	26	s.	0	6	6	18	12	9	0	0	0	6	0	0	0	0	0	0	0	0	9
July	2.21	1.13	0	6.6	7.1	s.	23	s.	0	5	9	17	13	8	0	0	0	9	1	0	0	0	1	0	0	0	6
August	4.19	1.91	0	6.1	6.8	s.	25	se.	0	6	13	12	9	7	0	0	0	9	2	0	2	0	0	0	0	0	3
September	4.97	2.43	0	6.0	8.1	s.	38	s.	1	9	6	15	10	9	0	0	0	7	4	0	2	0	0	0	1	0	2
October	3.21	1.49	T	5.5	9.6	s.	34	s.	2	8	13	10	7	5	2	0	0	4	0	0	0	0	0	0	2	0	1
November	1.65	.38	4.4	7.4	11.0	s.	37	s.	1	4	7	19	17	13	7	6	0	8	3	0	2	5	0	0	17	0	1
December	2.99	1.38	9.8	8.3	10.4	s.	35	s.	2	2	7	22	14	10	25	12	0	6	2	0	0	21	0	0	31	8	0
Year	36.56	4.45	59.7	6.9	8.9	s.	41	s.	14	65	96	204	154	113	98	60	0	89	19	0	9	71	1	0	150	25	27

CAIRO, ILL.

[$H=314$ ft.; $H_b=357$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=99$ ft.]

January	3.12	1.40	5.4	5.3	9.0	sw.	30	sw.	0	10	11	10	8	7	3	2	0	4	1	1	1	9	0	0	15	3	1
February	4.52	1.22	1.3	7.3	9.1	nw.	42	sw.	1	5	6	17	11	10	8	3	0	1	1	1	1	3	0	0	18	0	2
March	3.07	1.15	.2	6.2	10.1	s.	32	s.	1	8	9	14	14	10	6	1	0	1	1	0	0	0	0	0	3	0	4
April	4.19	3.48	0	6.1	9.6	s.	31	sw.	0	7	13	10	6	5	0	0	0	1	1	0	0	0	0	0	0	0	4
May	3.21	1.57	0	6.5	8.3	s.	25	ne.	0	6	9	16	7	5	0	0	1	0	0	0	0	2	0	0	0	0	6
June	3.51	1.24	0	6.8	6.6	sw.	25	e.	0	4	10	16	13	9	0	0	0	1	0	0	0	0	14	3	0	0	11
July	.62	.36	0	5.5	6.8	sw.	30	n.	0	8	15	8	9	4	0	0	0	0	0	0	0	22	8	0	0	0	11
August	5.05	3.20	0	5.8	5.9	s.	32	n.	1	7	12	12	13	10	0	0	0	2	0	0	0	0	4	2	0	0	8
September	.96	.62	0	4.8	7.3	sw.	24	nw.	0	13	6	11	5	3	0	0	0	3	1	1	1	0	5	0	0	0	5
October	1.96	1.40	0	4.8	6.9	n.	32	s.	1	12	10	9	9	5	0	0	0	2	1	1	0	0	0	0	1	0	1
November	5.23	1.26	0	6.3	10.0	s.	29	sw.	0	8	8	14	15	15	0	0	0	3	1	1	1	0	0	0	4	0	3
December	2.18	.51	2.4	7.7	8.8	s.	31	sw.	0	5	5	21	15	12	7	3	0	7	5	3	2	2	0	0	19	0	2
Year	37.62	3.48	9.3	6.1	8.2	s.	42	sw.	4	93	114	158	125	95	24	9	1	25	12	8	6	14	47	13	60	3	58

UNITED STATES METEOROLOGICAL YEARBOOK

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

CANTON, N. Y.
[$\phi=44^{\circ}35' N.$; $\lambda=75^{\circ}10' W.$]

Month	Pressure				Temperature (° F.)															Moisture									
	Mean		Extremes		Mean															Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Extremes							Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	
<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%		
January	29.51	30.01	29.99	28.61	15.6	13.8	20.0	18.1	14.7	13.0	18.3	17.1	25.3	6.2	15.8	47	—23	13	11	14	14	13	89	88	75	85	84		
February	29.40	29.90	29.99	28.73	13.8	12.0	18.9	16.7	13.3	11.6	17.3	15.7	23.3	7.0	15.2	43	—17	11	10	12	13	12	90	91	74	83	84		
March	29.34	29.83	29.88	28.32	31.3	31.1	39.4	34.8	30.1	29.4	35.2	32.5	42.1	26.5	34.3	61	14	28	26	29	29	28	87	82	69	79	79		
April	29.52	30.00	29.91	29.06	42.7	42.5	53.6	48.4	39.5	39.1	45.4	43.3	56.4	37.5	47.0	82	28	36	35	37	38	36	78	76	58	70	70		
May	29.51	29.98	29.83	29.16	54.2	56.5	66.1	60.7	51.6	52.2	56.6	55.1	69.2	48.6	58.9	87	35	49	48	49	51	49	85	75	56	71	72		
June	29.46	29.93	29.82	29.16	59.4	63.4	73.9	68.3	56.5	58.7	62.9	61.5	76.6	55.7	66.2	92	43	54	56	56	57	56	84	76	55	69	71		
July	29.46	29.93	29.84	29.12	63.4	65.9	76.0	71.6	60.0	60.9	63.8	62.9	79.6	58.4	69.0	91	46	58	58	56	57	57	81	75	53	62	68		
August	29.54	30.00	29.93	29.14	61.7	63.1	74.8	69.8	59.0	59.7	63.9	62.7	77.3	56.5	66.9	85	37	57	57	57	58	57	86	82	55	68	73		
September	29.53	30.00	30.01	28.98	54.8	55.6	67.0	60.2	52.7	53.2	58.3	55.8	70.4	48.1	59.2	88	29	51	51	52	52	52	87	85	60	76	77		
October	29.53	30.01	30.13	28.97	46.1	45.1	58.8	50.5	43.1	42.6	49.6	46.3	60.6	39.5	50.0	71	27	40	40	41	42	41	80	82	53	74	72		
November	29.51	30.00	30.09	28.79	34.4	33.6	40.8	35.6	32.4	31.9	36.3	33.0	44.6	27.0	35.8	65	11	30	30	29	29	29	83	85	66	77	78		
December	29.49	29.99	30.31	28.10	17.0	15.5	21.1	18.7	16.4	14.6	19.2	17.8	25.6	9.0	17.3	39	—37	15	12	15	16	14	91	87	75	88	85		
Year	29.48	29.96	30.31	28.10	41.2	41.5	50.9	46.1	39.1	38.9	43.9	42.0	54.2	35.0	44.6	92	—37	37	36	37	38	37	85	82	62	75	76		

CAPE HENRY, VA.
[$\phi=36^{\circ}56' N.$; $\lambda=76^{\circ}09' W.$]

January	30.06	30.08	30.62	29.40	36.6	43.7	40.9	34.4	38.6	37.2	47.3	32.8	40.0	68	12	31	31	32	31	80	63	70	71
February	29.91	29.93	30.44	29.22	34.8	40.4	38.9	31.4	35.1	34.8	43.5	31.8	37.6	67	18	25	27	28	27	67	57	64	63
March	29.88	29.90	30.25	28.81	46.8	52.8	49.4	43.5	46.7	44.9	57.2	40.8	49.0	82	31	40	40	40	40	77	65	72	72
April	30.05	30.07	30.38	29.64	54.0	63.4	58.1	49.0	53.1	51.0	66.8	48.9	57.8	93	39	44	44	44	44	70	53	63	62
May	30.02	30.04	30.30	29.70	66.2	73.2	67.7	61.8	64.4	63.0	76.5	60.8	68.6	90	52	59	59	60	59	78	63	78	73
June	29.94	29.96	30.27	29.54	74.0	80.2	76.0	69.5	71.3	70.4	82.4	69.5	76.0	98	64	67	67	68	67	81	66	77	75
July	29.97	29.99	30.19	29.75	77.7	85.0	80.8	73.7	75.0	73.5	87.4	72.5	80.0	99	66	72	71	70	71	83	63	72	73
August	30.02	30.04	30.33	29.76	74.9	80.9	76.4	70.9	72.5	70.9	83.1	71.2	77.2	95	64	69	69	68	69	82	67	77	75
September	30.02	30.04	30.44	29.67	71.1	78.2	72.9	68.1	70.4	68.5	79.5	67.6	73.6	90	53	66	67	66	66	86	68	80	78
October	30.01	30.03	30.43	29.56	62.0	68.1	63.2	58.6	61.2	59.5	69.6	56.9	63.2	82	38	56	56	57	56	82	68	81	77
November	30.08	30.10	30.47	29.47	51.2	59.0	54.3	47.5	51.5	49.1	61.3	47.4	54.4	79	34	44	45	44	44	75	60	68	68
December	30.06	30.08	30.67	28.90	39.7	43.7	41.6	37.4	39.6	38.7	48.5	35.2	41.8	74	17	34	34	34	34	79	70	76	75
Year	30.00	30.02	30.67	28.81	57.4	64.0	60.0	53.8	56.6	55.1	66.9	53.0	59.9	99	12	51	51	51	51	78	64	73	72

CHARLES CITY, IOWA
[$\phi=43^{\circ}04' N.$; $\lambda=92^{\circ}38' W.$]

January	28.97	30.12	29.51	28.44	16.7	14.5	22.9	20.1	15.9	13.8	20.7	18.8	27.2	8.8	18.0	45	-25	14	12	16	16	14	87	87	73	83	83
February	29.00	30.14	29.25	28.46	19.0	16.6	26.1	23.6	17.8	15.7	23.7	22.0	28.6	12.7	20.6	38	-18	15	13	18	18	16	82	85	71	78	79
March	28.74	29.85	29.22	28.25	33.6	31.8	39.9	39.3	31.7	30.2	35.4	35.6	43.5	29.0	36.2	67	18	29	28	29	31	29	83	86	67	72	77
April	28.94	30.03	29.37	28.40	47.0	43.1	61.7	60.2	42.4	40.0	49.8	49.4	57.2	40.1	52.9	84	26	37	36	38	39	38	70	77	44	67	60
May	28.86	29.94	29.21	28.29	52.8	51.4	62.9	62.8	50.3	48.7	53.8	54.9	66.5	47.1	56.8	89	33	48	46	46	48	47	84	83	57	62	72
June	28.88	29.95	29.12	28.49	63.2	62.3	73.5	72.5	60.3	59.5	64.4	64.3	76.6	58.0	67.3	91	43	58	57	59	59	58	85	85	62	65	74
July	28.91	29.98	29.15	28.65	66.6	65.3	79.2	76.4	63.9	62.9	68.1	68.4	82.2	61.7	72.0	95	50	62	62	62	64	63	87	88	57	68	75
August	28.92	30.00	29.20	28.68	65.1	62.8	77.9	74.8	63.0	61.0	67.1	67.5	80.4	59.7	70.0	90	42	61	60	61	64	62	88	90	58	68	76
September	28.93	30.02	29.42	28.58	54.7	52.6	65.0	60.9	52.8	51.4	57.1	56.1	67.7	49.0	58.4	88	23	51	50	51	53	51	89	90	62	75	79
October	28.91	30.00	29.30	28.25	45.2	40.6	59.5	53.4	42.5	38.7	48.5	46.8	62.5	38.9	50.7	80	17	39	36	38	40	39	80	85	47	62	69
November	28.90	30.02	29.41	28.31	33.1	30.4	41.7	36.2	31.0	29.0	36.8	33.3	43.9	26.4	35.2	68	0	28	27	30	29	29	81	86	65	76	77
December	28.98	30.13	29.56	28.40	15.0	15.2	21.3	17.3	14.3	14.4	19.7	16.4	24.1	9.0	16.6	38	-11	12	12	16	14	14	87	86	77	85	84
Year	28.91	30.02	29.56	28.25	42.7	40.6	52.6	49.8	40.5	38.8	45.4	44.5	55.7	36.7	46.2	95	-25	38	37	39	40	38	84	86	62	70	75

CHARLESTON, S. C.
Airport [$\phi=32^{\circ}54' N.$; $\lambda=80^{\circ}02' W.$] City [$\phi=32^{\circ}47' N.$; $\lambda=79^{\circ}56' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	30.07	30.12	30.49	29.50	43.1	40.3	56.5	48.0	40.6	38.4	48.0	44.2	57.7	41.6	49.6	74	24	38	36	39	40	38	81	85	54	74	73	73	73	73
February	29.95	30.00	30.41	29.16	39.9	37.3	51.4	45.9	37.9	35.9	43.8	41.9	52.0	38.3	45.2	66	26	35	34	34	37	35	83	86	53	71	73	73	73	73
March	29.91	29.96	30.19	29.02	52.5	49.6	67.0	58.6	49.7	47.6	55.6	52.2	66.1	50.1	58.1	81	34	47	45	45	46	46	82	86	49	65	70	70	70	70
April	30.04	30.09	30.36	29.59	56.2	56.5	75.9	65.3	53.7	53.6	59.9	58.4	75.1	56.7	65.9	89	42	51	51	47	53	51	85	82	38	67	68	68	68	68
May	29.99	30.04	30.19	29.77	64.9	67.8	81.0	72.1	63.6	65.2	68.8	66.6	80.0	66.5	73.2	85	58	63	64	62	64	63	93	87	54	75	77	77	77	77
June	29.92	29.97	30.16	29.70	72.6	75.8	85.7	79.2	71.3	72.8	75.9	74.3	86.7	73.2	80.0	97	69	71	72	72	72	72	94	87	65	80	81	81	81	81
July	29.99	30.04	30.19	29.81	76.0	78.2	90.3	82.6	74.1	74.9	78.3	77.3	92.1	76.1	84.1	101	68	74	74	74	75	74	92	86	59	79	80	80	80	80
August	30.00	30.05	30.22	29.84	74.0	74.4	86.9	78.6	72.2	71.8	75.6	73.9	87.4	74.1	80.8	98	63	71	71	71	72	71	92	88	60	80	81	81	81	81
September	29.98	30.03	30.31	29.66	70.6	69.2	84.5	75.5	69.2	67.7	73.0	71.7	85.6	70.5	78.0	97	50	68	67	68	70	68	93	92	58	83	84	84	84	84
October	29.97	30.02	30.32	29.68	59.8	58.2	78.4	66.6	58.5	57.0	65.7	63.0	77.6	61.1	69.4	85	48	58	56	58	61	58	92	92	51	82	7	7	7	7
November	30.07	30.12	30.38	29.64	53.9	50.3	70.2	58.8	51.4	48.0	56.2	54.4	69.8	52.4	61.1	82	36	49	45	48	50	48	84	84	47	75	7	7	7	7
December	30.06	30.12	30.54	29.27	45.8	47.9	57.3	49.2	43.6	41.4	50.8	46.7	59.0	41.9	50.4	71	22	41	39	44	44	42	84	86	64	83	7	7	7	7
Year	30.00	30.05	30.54	29.02	59.1	58.8	73.8	65.0	57.2	56.2	62.8	60.4	74.1	58.5	66.3	101	22	56	54	55	57	56	88	87	54	76	7	7	7	7

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

CANTON, N. Y.

[H=406 ft.; H_b=448 ft.; H_i=10 ft.; H_r=4 ft.; H_a=61 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted	Light				Moderate	Thick	Dense	32° or below		90° or above	95° or above	32° or below	0° or below						
January	<i>In.</i> 2.62	<i>In.</i> 0.62	<i>In.</i> 15.1	7.0	<i>Mi.</i> 10.1	sw.	<i>Mi.</i> 38	w.	1	8	3	20	19	15	21	17	0	6	2	1	1	22	0	0	30	11	0
February	2.28	.72	16.9	7.3	8.6	w.	27	sw.	0	7	3	18	17	13	21	17	0	4	0	0	0	23	0	0	28	8	0
March	3.17	.75	12.8	7.7	10.1	w.	38	w.	2	4	6	21	18	13	19	13	0	5	2	0	0	1	0	0	28	0	0
April	3.09	1.15	7.5	6.7	9.5	sw.	30	w.	0	6	8	16	13	12	5	5	0	7	1	0	0	0	0	0	10	0	2
May	2.06	.50	.0	7.4	8.6	sw.	25	sw.	0	2	12	17	14	11	0	0	0	10	1	0	0	0	0	0	0	0	5
June	.72	.14	.0	6.6	6.4	w.	24	sw.	0	5	11	14	14	9	0	0	0	7	2	2	1	0	1	0	0	0	7
July	5.49	2.27	.0	6.0	7.5	w.	27	sw.	0	8	12	11	9	8	0	0	0	8	1	0	0	0	2	0	0	0	7
August	2.91	1.44	.0	6.9	6.7	sw.	28	w.	0	3	12	16	7	6	0	0	0	15	2	0	0	0	0	0	0	0	4
September	4.22	1.18	T	6.4	7.3	sw.	28	w.	0	7	11	12	14	11	1	0	0	15	4	4	3	0	0	0	2	0	4
October	1.99	1.07	5.4	6.3	8.2	sw.	26	sw.	0	8	7	16	11	5	2	2	0	13	2	0	0	0	0	0	3	0	0
November	2.47	.73	6.9	7.4	8.7	sw.	33	sw.	1	3	9	18	15	10	9	5	0	11	3	2	2	5	0	0	20	0	1
December	5.33	2.47	24.5	7.7	9.6	w.	30	w.	0	6	2	23	16	12	24	15	0	12	0	0	0	18	0	0	31	8	0
Year	36.35	2.47	89.1	7.0	8.4	w.	38	w.	4	67	96	202	167	125	102	74	0	113	20	9	7	69	3	0	152	27	30

CAPE HENRY, VA.

[H=16 ft.; H_b=18 ft.; H_i=8 ft.; H_r=3 ft.; H_a=54 ft.]

January	2.49	.71	3.0	5.5	12.4	n.	47	n.	5	11	7	13	10	9	5	3	0	6	3	0	1	3	0	0	11	0	1
February	2.12	1.64	T	5.0	15.0	nw.	37	n.	7	13	6	9	4	4	5	0	0	1	2	0	2	1	0	0	14	0	0
March	6.13	2.05	.0	5.5	13.4	sw.	43	nw.	5	11	8	12	14	11	0	0	0	5	2	0	4	0	0	0	1	0	3
April	.52	.45	.0	3.4	11.9	sw.	47	nw.	2	16	10	4	3	2	0	0	0	1	0	0	0	0	1	0	0	0	0
May	3.20	1.88	.0	4.7	10.2	se.	34	n.	2	11	14	6	10	6	0	0	1	2	1	0	3	0	2	0	0	0	6
June	.45	.15	.0	5.5	9.7	se.	32	nw.	1	9	12	9	8	6	0	0	0	9	2	1	4	0	5	1	0	0	6
July	.95	.25	.0	4.7	8.6	sw.	47	nw.	3	10	16	5	10	6	0	0	0	4	0	0	0	0	7	6	0	0	7
August	6.30	1.88	.0	6.3	10.4	sw.	52	nw.	3	3	18	10	18	12	0	0	1	3	0	0	0	0	7	1	0	0	10
September	7.04	2.39	.0	5.2	11.3	sw.	45	n.	6	8	16	6	9	7	0	0	0	10	0	0	0	0	1	0	0	0	4
October	4.33	2.05	.0	5.5	12.4	ne.	46	ne.	4	12	6	13	9	9	0	0	0	13	2	0	2	0	0	0	0	0	1
November	1.10	.44	.0	4.9	13.9	sw.	41	n.	6	11	13	6	8	3	0	0	0	5	1	0	2	0	0	0	0	0	1
December	4.60	.77	6.0	6.4	14.0	n.	47	nw.	6	8	8	15	17	15	5	4	0	12	4	0	3	2	0	0	10	0	1
Year	39.23	2.39	9.0	5.2	11.9	sw.	52	nw.	50	123	134	108	120	90	15	7	2	71	17	1	21	6	23	8	36	0	40

CHARLES CITY, IOWA

[H=1,013 ft.; H_b=1,015 ft.; H_i=10 ft.; H_r=4 ft.; H_a=51 ft.]

January	0.85	0.86	8.9	4.2	6.6	nw.	20	nw.	0	14	8	9	1	1	7	1	0	12	4	3	1	13	0	0	31	9	0
February	1.15	0.77	12.5	7.0	6.2	n.	19	n.	0	2	12	14	2	2	16	2	0	8	5	4	4	17	0	0	28	5	0
March	3.31	1.34	4.1	7.2	8.0	nw.	22	nw.	0	7	5	19	12	10	15	7	1	7	2	0	0	2	0	0	26	0	2
April	1.19	.64	.0	4.9	8.0	se.	26	se.	0	13	7	10	6	3	0	0	0	4	0	0	0	0	0	0	6	0	3
May	5.51	1.41	.0	6.3	6.9	se.	27	s.	0	8	10	13	12	11	0	0	2	5	1	1	1	0	0	0	0	0	6
June	6.43	3.31	.0	6.5	6.0	se.	25	s.	0	7	11	12	14	9	0	0	1	4	1	1	1	0	2	0	0	11	
July	7.47	1.71	.0	4.9	5.4	se.	30	sw.	0	10	13	8	12	12	0	0	1	4	2	0	0	3	1	0	0	15	
August	3.34	1.55	.0	4.1	5.5	s.	18	sw.	0	15	12	4	10	7	0	0	0	10	4	4	2	0	1	0	0	10	
September	3.61	1.06	.4	6.0	5.7	se.	19	sw.	0	10	7	13	14	12	3	2	0	12	4	4	2	0	0	0	5	7	
October	2.63	2.05	T	3.7	5.8	nw.	21	w.	0	17	8	6	8	6	4	0	0	8	1	0	0	0	0	0	8	2	
November	1.78	.51	12.8	6.7	7.4	se.	23	s.	0	7	6	17	9	7	8	5	0	8	2	1	1	5	0	0	23	0	
December	1.12	.52	10.2	7.0	6.5	n.	19	nw.	0	9	2	20	8	4	18	5	0	8	4	3	3	26	0	0	31	6	0
Year	38.39	3.31	48.9	5.7	6.5	se.	30	sw.	0	119	101	145	108	84	71	22	5	90	30	21	15	63	6	1	158	20	56

CHARLESTON, S. C.

Airport [H=41 ft.; H_b=48 ft.; H_i=5 ft.; H_r=3 ft.; H_a=30 ft.] City [H=9 ft.; H_b=48 ft.; H_i=11 ft. H_r=3 ft.; H_a=92 ft.]

January	2.88	1.89	0.0	4.6	9.9	n.	29	e.	0	14	8	9	7	6	0	0	0	0	0	0	0	0	0	5	0	1	
February	2.94	.64	T	6.2	10.1	nw.	33	s.	1	8	7	13	8	8	1	0	1	2	0	0	0	0	0	4	0	1	
March	4.92	1.40	.0	5.8	11.1	sw.	44	se.	2	9	10	12	12	9	0	0	0	0	0	0	0	0	0	0	0	1	
April	.85	.82	.0	3.7	9.8	s.	33	n.	1	15	12	3	3	2	0	0	0	1	0	0	0	0	0	0	0	1	
May	2.70	.72	.0	4.2	9.7	s.	31	se.	0	18	5	8	7	5	0	0	0	2	1	0	0	0	0	0	0	2	
June	5.30	1.12	.0	5.2	10.1	se.	36	nw.	1	13	8	9	11	11	0	0	0	1	0	0	0	0	8	2	0	7	
July	7.37	2.62	.0	4.5	8.5	sw.	33	nw.	1	14	11	6	12	11	0	0	0	0	0	0	0	0	22	9	0	12	
August	4.65	1.84	.0	4.4	10.1	s.	29	nw.	0	16	10	5	9	8	0	0	0	0	0	0	0	10	3	0	0	6	
September	5.23	2.58	.0	4.7	8.9	s.	26	ne.	0	14	8	8	11	9	0	0	0	5	3	1	1	0	7	2	0	2	
October	.01	.01	.0	3.2	9.9	n.	22	e.	0	20	7	4	1	0	0	0	0	4	3	1	0	0	0	0	0	0	
November	1.56	1.44	.0	2.0	10.2	n.	25	n.	0	26	1	3	5	3	0	0	0	4	4	1	1	0	0	0	0	2	
December	2.96	.69	.0	4.9	11.3	n.	34	sw.	3	15	5	11	12	10	0	0	0	6	6	3	2	0	0	0	5	0	
Year	41.37	2.62	T	4.4	10.0	s.	44	se.	9	182	92	91	98	82	1	0	1	25	17	6	4	0	47	16	14	0	35

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

CHARLOTTE, N. C.

Airport [$\phi=35^{\circ}14'$ N.; $\lambda=80^{\circ}56'$ W.] City [$\phi=35^{\circ}13'$ N.; $\lambda=80^{\circ}51'$ W.]

Month	Pressure				Temperature ($^{\circ}$ F.)													Moisture									
	Mean		Extremes		Mean													Extremes									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
	In. (1)	In.	In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	°	°	°	°	°	°	°	°	°	°	% (2)	% (2)	% (2)	% (2)	% (2)
January	29.25	30.10	29.72	28.70	37.1	32.8	48.9	42.6	34.2	30.8	40.7	37.7	52.0	32.6	42.3	69	11	(2)	(2)	(2)	(2)	(2)	76	81	50	63	67
February	29.13	29.98	29.56	28.53	35.0	31.7	44.9	41.2	31.9	29.4	37.9	35.9	48.8	31.6	40.2	64	18	27	25	28	27	27	70	75	52	58	64
March	29.09	29.92	29.39	28.24	47.2	44.2	59.7	54.5	43.2	41.4	49.0	47.5	63.1	43.4	53.2	80	29	38	38	37	40	38	73	79	48	61	65
April	29.26	30.09	29.58	28.79	55.5	52.8	73.4	67.3	49.5	48.6	56.8	55.3	76.9	51.3	61.1	89	38	44	44	43	45	44	65	74	35	47	55
May	29.22	30.04	29.45	28.95	63.1	63.2	77.6	72.0	59.7	60.2	64.9	63.7	80.4	60.6	70.5	90	51	57	58	57	59	58	82	84	52	66	71
June	29.16	29.97	29.43	28.94	71.0	71.9	84.2	79.2	67.6	68.4	71.7	70.9	88.3	69.0	78.6	97	60	66	66	66	67	66	85	84	56	68	73
July	29.22	30.03	29.40	29.03	73.4	74.1	87.0	81.8	70.4	70.8	74.9	73.7	90.4	71.8	81.1	99	66	69	69	70	70	70	87	85	59	70	75
August	29.24	30.05	29.53	29.02	71.0	70.8	83.3	77.3	68.5	68.3	71.8	70.7	86.6	68.9	77.8	98	55	67	67	66	68	67	88	88	58	73	77
September	29.24	30.05	29.65	28.90	66.6	65.3	80.4	72.7	63.9	63.2	68.5	66.9	82.8	63.5	73.2	94	40	62	62	62	64	63	86	88	56	75	76
October	29.22	30.05	29.61	28.83	56.1	54.1	71.0	63.0	53.2	51.9	59.9	57.6	73.2	53.6	63.4	82	35	51	50	52	54	52	82	86	54	73	74
November	29.30	30.14	29.65	28.84	48.1	43.6	61.1	52.9	44.3	41.6	51.1	47.3	63.3	43.3	53.3	79	29	40	39	41	41	40	72	84	51	67	68
December	29.26	30.12	29.77	28.43	37.2	34.9	46.4	41.4	34.9	33.1	41.2	38.4	50.0	33.0	41.5	70	15	31	30	35	34	32	79	82	66	75	76
Year	29.22	30.04	29.77	28.24	55.1	53.3	68.2	62.2	51.8	50.6	57.4	56.3	71.3	51.9	61.6	99	11	48	48	49	50	49	79	82	53	66	70

CHATTANOOGA, TENN.

Airport [$\phi=35^{\circ}02'$ N.; $\lambda=85^{\circ}12'$ W.]

	(1)		(1)	(1)																							
January	29.32	30.16	29.71	28.73	32.8	29.5	44.8	40.5	30.8	27.9	37.9	35.9	49.8	25.4	37.6	69	6	27	25	28	29	27	80	82	53	65	70
February	29.22	30.06	29.64	28.60	33.6	31.7	42.6	39.9	31.3	30.0	37.1	35.4	46.6	28.6	37.6	60	15	28	27	29	28	28	77	82	59	63	70
March	29.14	29.96	29.41	28.55	44.5	41.1	58.9	55.4	41.9	39.7	48.8	47.1	62.6	37.7	50.2	79	22	39	38	38	38	38	81	88	50	54	68
April	29.28	30.10	29.57	28.88	53.1	49.3	72.6	67.8	48.9	47.0	56.6	55.3	76.5	45.8	61.2	93	30	45	45	43	45	44	75	84	37	45	60
May	29.22	30.02	29.44	28.92	61.8	60.8	76.3	74.3	58.3	58.0	63.7	63.5	80.7	56.3	68.5	92	41	56	56	56	57	56	82	84	52	56	69
June	29.17	29.96	29.38	28.96	70.5	70.5	84.6	81.4	67.8	67.9	71.3	71.5	88.5	65.9	77.2	95	54	66	67	65	67	66	87	88	53	63	73
July	29.26	30.05	29.43	29.06	71.9	72.4	87.6	81.8	70.1	70.3	74.3	73.4	90.5	68.5	79.5	98	59	69	69	69	70	69	92	90	55	68	76
August	29.25	30.05	29.49	29.07	69.1	68.4	83.2	77.5	67.9	67.2	72.2	71.9	86.4	65.7	76.0	95	53	67	67	67	69	68	94	94	61	77	81
September	29.26	30.07	29.64	28.90	62.5	60.8	77.7	70.9	61.3	59.6	66.2	65.9	81.3	57.9	69.6	92	37	60	59	60	63	60	93	93	56	77	80
October	29.24	30.06	29.52	28.82	53.7	50.4	70.6	62.2	51.6	49.4	59.0	56.6	73.5	47.2	60.4	83	26	50	48	51	53	50	88	93	52	72	76
November	29.32	30.15	29.60	28.94	47.0	43.0	61.1	53.5	43.5	41.2	50.9	47.6	63.7	39.3	51.5	79	21	40	39	41	41	40	76	86	50	65	69
December	29.30	30.13	29.71	28.46	37.1	36.2	44.3	40.6	35.4	34.8	40.1	38.0	47.9	31.4	39.6	65	13	33	32	34	34	34	85	86	70	78	80
Year	29.25	30.06	29.71	28.46	53.1	51.2	67.0	62.2	50.7	49.4	56.5	55.2	70.7	47.5	59.1	98	6	48	48	48	50	48	84	88	54	65	73

CHEYENNE, WYO.

Airport [$\phi=41^{\circ}09'$ N.; $\lambda=104^{\circ}49'$ W.]

	(1)		(1)	(1)																							
January	24.02	30.22	24.44	23.60	20.0	19.9	31.7	27.9	16.9	16.3	25.1	22.9	37.2	12.0	24.6	59	-27	10	8	15	15	12	65	59	50	59	58
February	23.84	30.03	24.06	23.51	17.9	16.2	27.5	26.2	15.6	13.9	22.4	21.8	31.6	11.1	21.4	50	-12	10	8	13	14	11	71	70	54	59	64
March	23.86	29.95	24.24	23.47	27.4	25.1	38.9	37.9	23.7	21.8	30.0	29.8	43.7	20.4	32.0	58	10	18	16	17	18	17	65	67	42	45	55
April	23.89	29.85	24.30	23.50	39.9	35.9	53.0	51.9	35.4	32.9	41.1	41.3	57.7	32.4	45.0	75	24	30	29	29	31	30	71	77	46	50	61
May	23.94	29.88	24.29	23.55	42.5	38.5	56.0	56.1	39.1	35.9	44.1	44.4	61.9	35.5	48.7	84	24	36	33	34	34	34	79	82	47	50	64
June	23.95	29.87	24.43	23.76	53.5	49.1	65.5	65.5	50.2	46.4	53.5	54.8	70.6	45.5	58.6	81	33	48	44	46	48	46	83	84	51	56	68
July	24.14	29.99	24.39	23.97	60.4	55.3	80.2	75.6	53.6	50.0	58.9	58.8	84.9	53.0	69.0	94	44	49	46	46	49	48	69	74	32	45	55
August	24.09	29.93	24.34	23.85	58.6	54.0	75.3	72.8	52.4	48.9	57.2	57.0	79.9	51.2	65.6	87	43	48	45	46	48	47	70	74	38	44	56
September	24.07	29.98	24.31	23.75	48.1	45.1	65.1	62.7	43.5	40.7	50.0	49.1	69.5	41.1	55.3	83	18	40	36	39	39	38	74	74	43	46	59
October	24.03	30.02	24.38	23.59	39.8	38.3	54.9	51.5	35.7	34.5	42.7	41.4	59.8	32.8	46.3	81	17	31	30	32	32	31	73	75	46	53	62
November	23.93	29.99	24.36	23.36	31.9	32.2	44.1	37.3	27.1	27.1	34.2	30.5	49.1	23.0	36.0	68	3	20	19	22	22	21	63	61	45	55	56
December	23.93	30.06	24.28	23.58	27.8	26.8	39.1	32.1	23.8	23.0	31.0	27.1	43.1	20.2	31.6	59	-1	18	17	20	20	19	66	67	46	61	60
Year	23.98	29.98	24.44	23.36	39.0	36.4	52.6	49.8	34.8	32.6	40.8	39.9	57.4	31.6	44.5	94	-27	30	28	30	31	30	71	72	45	52	60

CHICAGO, ILL.

Airport [$\phi=41^{\circ}47'$ N.; $\lambda=87^{\circ}44'$ W.] City [$\phi=41^{\circ}47'$ N.; $\lambda=87^{\circ}36'$ W.]

	(1)		(1)	(1)	(2)	(2)	(2)	(2) =	(2)	(2)	(2)				(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.32	30.08	29.88	28.42	23.3	28.6	27.3	21.8	25.7	24.8	31.6	19.7	25.6	50	-13	18	19	20	19	19	19	80	67	71	71	73
February	29.34	30.09	29.65	28.75	24.3	28.1	27.9	22.4	25.4	25.4	30.5	22.6	26.6	40	2	18	19	20	19	19	19	75	68	70	71	71
March	29.11	29.85	29.51	28.42	35.8	41.5	41.6	32.9	36.4	37.2	45.3	33.8	39.6	66	26	29	29	31	30	30	30	75	64	68	69	69
April	29.35	30.08	29.70	28.89	48.1	59.2	55.4	43.2	48.8	47.1	62.9	44.9	53.9	91	28	38	40	39	39	39	39	68	51	58	59	59
May	29.25	29.98	29.62	28.79	55.9	65.3	60.9	52.1	56.0	53.7	68.6	50.4	59.5	95	39	49	49	48	49	49	49	78	58	66	67	67
June	29.25	29.96	29.50	28.84	64.3	71.0	68.9	60.7	63.5	62.5	75.2	61.1	68.2	94	50	58	59	58	58	58	58	82	67	72	74	74
July 3	29.28	29.94	29.44	29.08	69.5	68.3	81.2	78.4	65.4	64.8	67.5	85.1	65.2	75.2	100	53	63	63	62	62	62	81	83	53	58	69
August	29.30	29.96	29.58	29.08	66.5	64.4	79.5	75.6	63.3	62.1	67.9	66.9	82.3	93	48	61	61	62	62	61	84	88	56	64	73	
September	29.30	29.97	29.77	28.97	65.8	65.8	68.3	63.5	55.6	53.9	59.5	58.3	72.1	90	29	54	52	53	54	53	85	88	60	73	77	
October	29.27	29.95	29.63	28.58	49.3	46.2	60.3	54.5	46.0	44.3	51.2	48.7	63.4	83	22	42	42	43	43	43	78	86	55	66	71	
November	29.28	29.96	29.76	28.60	38.8	37.0	45.3	42.4	36.4	35.2	40.4	39.2	49.5	73	15	33	33	34	35	34	81	84	66	76	77	
December	29.33	30.04	29.90	28.72	21.9	19.9	26.8	24.2	21.1	19.2	25.2	23.0	30.2	54	-2	19	18	22	20	20	88	90	81	84	86	
Year	29.28	29.99	29.90	28.42	45.3	54.6	51.7	42.7	47.4	46.2	58.1	42.0	50.0	100	-13	40	41	41	41	41	81	62	69	72	72	

MONTHLY AND ANNUAL SUMMARIES

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TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

CHARLOTTE, N. C.

Airport [$H=753$ ft.; $H_b=769$ ft.; $H_t=4$ ft.; $H_r=3$ ft.; $H_a=85$ ft.] City [$H=741$ ft.; $H_b=779$ ft.; $H_t=63$ ft.; $H_r=55$ ft.; $H_a=86$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																		
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Fog			Maximum temperature			Minimum temp.					
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted	Hail	Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm	
January	<i>Ins.</i> 1.86	<i>In.</i> 0.58	<i>In.</i> 1.4	5.7	<i>Mi.</i> 6.9	sw.	26	sw.	0	9	10	12	10	7	4	2	0	3	1	0	0	3	0	0	11	0	0	0
February	4.91	2.51	8.1	5.2	7.3	nw.	24	sw.	0	10	7	11	8	6	5	3	0	4	1	1	1	0	0	0	17	0	1	1
March	6.30	1.87	2.9	5.4	8.9	sw.	31	sw.	0	10	8	13	14	9	2	1	0	7	2	0	2	0	0	0	3	0	0	2
April	.88	.88	.0	3.6	7.0	sw.	26	w.	0	17	8	5	2	1	0	0	0	2	1	1	1	0	0	0	0	0	0	0
May	6.58	2.84	.0	6.2	6.3	s.	22	s.	0	6	13	12	10	10	0	0	0	5	0	0	0	0	1	0	0	0	0	7
June	6.82	2.87	.0	6.0	6.1	s.	17	sw.	0	4	19	7	11	9	0	0	0	6	1	1	0	0	0	8	2	0	0	9
July	5.58	1.97	.0	6.2	5.2	sw.	23	n.	0	7	9	15	10	8	0	0	0	8	0	0	0	18	7	0	0	0	0	12
August	3.48	1.66	.0	6.8	6.2	sw.	24	sw.	0	5	13	13	13	10	0	0	0	4	0	0	0	8	3	0	0	0	0	7
September	4.79	1.93	.0	5.1	5.6	sw.	23	sw.	0	11	12	7	9	7	0	0	0	6	3	3	3	0	8	0	0	0	0	3
October	2.13	1.02	.0	4.6	6.2	n.	22	sw.	0	12	10	9	7	6	0	0	0	7	0	0	0	0	0	0	0	0	0	1
November	2.22	1.04	.0	4.3	6.3	ne.	18	nw.	0	14	7	9	6	4	0	0	0	6	2	2	2	0	0	0	2	0	0	1
December	4.42	.98	.6	6.4	7.4	ne.	34	w.	1	8	7	16	14	12	3	1	1	16	8	5	5	1	0	0	11	0	0	1
Year	49.97	2.87	13.0	5.5	6.6	sw.	34	w.	1	113	123	129	114	89	14	7	1	74	19	13	14	4	43	12	44	0	44	

CHATTANOOGA, TENN.

Airport [$H=670$ ft.; $H_b=688$ ft.; $H_t=6$ ft.; $H_r=3$ ft.; $H_a=66$ ft.]

January	3.45	1.45	0.2	5.8	6.7	s.	28	w.	0	9	9	13	8	5	2	1	1	14	0	0	0	3	0	0	26	0	0	2
February	4.07	2.06	.5	7.1	7.8	nw.	35	w.	2	7	3	18	7	6	3	1	1	7	1	1	1	0	0	0	21	0	0	2
March	6.09	1.80	T	6.3	8.5	s.	36	sw.	5	9	6	16	15	11	3	3	0	15	5	4	3	0	0	0	9	0	0	5
April	.44	.42	0	4.9	6.2	s.	28	nw.	0	11	11	8	3	1	0	0	0	6	2	1	1	0	1	0	2	0	0	3
May	4.15	1.53	0	6.2	6.0	s.	33	w.	1	8	9	14	9	9	0	0	0	9	0	0	0	0	1	0	0	0	0	8
June	4.59	1.51	0	6.2	5.3	s.	40	nw.	2	5	13	12	11	10	0	0	0	10	0	0	1	13	1	0	0	0	0	13
July	5.03	1.12	0	6.4	4.9	s.	39	sw.	1	2	19	10	11	9	0	0	0	17	5	5	4	0	17	4	0	0	0	16
August	3.96	1.00	0	6.1	4.3	s.	23	n.	0	7	11	13	12	11	0	0	0	18	8	6	5	0	10	2	0	0	0	9
September	3.87	1.72	0	5.6	4.7	ne.	24	ne.	0	10	9	11	9	8	0	0	0	19	9	11	11	0	3	0	0	0	0	4
October	2.18	.50	0	4.4	5.2	s.	23	n.	0	15	6	10	9	7	0	0	0	18	10	8	6	0	0	0	3	0	0	3
November	1.89	1.06	0	5.0	6.1	s.	24	n.	0	10	10	10	6	4	0	0	0	10	5	3	4	0	0	0	7	0	0	1
December	11.69	5.25	T	7.5	7.6	ne.	36	nw.	1	4	8	19	14	13	1	0	0	19	8	8	6	0	0	0	19	0	0	3
Year	51.41	5.25	.7	6.0	6.1	s.	40	nw.	12	97	114	154	114	94	9	5	2	162	53	47	42	3	45	7	87	0	69	

CHEYENNE, WYO.

Airport [$H=6,144$ ft.; $H_b=6,144$ ft.; $H_t=4$ ft.; $H_r=4$ ft.; $H_a=40$ ft.]

January	0.77	0.23	11.5	5.2	12.1	nw.	34	nw.	4	9	11	11	7	7	11	7	0	4	0	1	1	9	0	0	30	8	0	0
February	.58	.19	7.4	6.5	11.6	nw.	43	nw.	3	5	10	13	8	6	14	8	0	12	5	4	2	13	0	0	28	6	0	0
March	1.02	.61	10.9	5.3	15.2	nw.	39	nw.	9	9	12	10	9	6	15	9	0	6	1	3	3	4	0	0	30	0	0	0
April	5.04	1.81	22.0	7.3	13.5	nw.	42	n.	7	4	8	18	12	9	8	4	1	12	10	5	4	0	0	0	15	0	0	2
May	3.27	2.00	21.5	6.6	10.8	nw.	37	nw.	2	4	14	13	11	8	11	4	0	13	5	5	3	0	0	0	13	0	0	6
June	2.48	1.16	.5	6.1	9.8	s.	31	w.	0	7	13	10	17	11	1	1	7	8	6	5	6	0	0	0	0	0	0	12
July	1.07	.25	0	4.7	8.8	nw.	35	nw.	3	9	17	5	15	6	0	0	3	0	0	0	0	6	0	0	0	0	0	17
August	2.06	.85	0	5.2	8.2	s.	42	nw.	2	7	17	7	11	8	0	0	2	3	3	3	1	0	0	0	0	0	0	11
September	1.70	1.10	4.8	5.1	10.4	w.	42	n.	1	9	14	7	6	4	2	1	1	7	4	3	0	0	0	0	4	0	0	2
October	3.57	1.35	6.3	5.2	10.1	nw.	41	nw.	2	12	10	9	7	7	5	2	1	7	4	1	2	1	0	0	10	0	0	3
November	1.91	.75	18.2	5.5	12.5	nw.	49	nw.	9	7	15	8	8	6	12	8	0	3	1	1	1	1	0	0	25	0	0	0
December	.22	.10	4.3	6.0	13.6	nw.	46	nw.	13	7	11	13	5	2	10	5	0	6	5	5	4	6	0	0	28	1	0	0
Year	23.69	2.00	107.4	5.7	11.4	nw.	49	nw.	55	89	152	124	116	80	89	49	15	81	44	36	27	34	6	0	183	15	53	

CHICAGO, ILL.

Airport [$H=608$ ft.; $H_b=623$ ft.; $H_t=5$ ft.; $H_r=17$ ft.; $H_a=36$ ft.] City [$H=594$ ft.; $H_b=673$ ft.; $H_t=7$ ft.; $H_r=3$ ft.; $H_a=131$ ft.]

January	1.39	0.84	4.6	6.5	11.8	sw.	32	n.	1	9	6	16	6	3	11	4	0	4	6	6	0	10	0	0	21	7	0	0
February	3.03	1.98	9.2	8.3	10.3	nw.	29	ne.	0	2	5	21	10	8	18	7	0	4	6	3	1	17	0	0	25	0	0	0
March	2.68	1.42	9.1	7.9	11.4	w.	36	nw.	2	4	6	21	16	11	12	8	1	6	5	2	1	0	0	0	12	0	0	1
April	1.59	0.89	T	5.1	11.5	ne.	26	s.	0	12	9	9	4	3	3	0	1	2	1	1	0	0	1	0	1	0	0	3
May	4.50	1.84	.0	7.6	10.4	sw.	33	sw.	1	3	9	19	18	15	0	0	0	6	5	3	1	0	2	1	0	0	0	9
June	1.87	0.79	.0	7.1	8.0	ne.	25	nw.	0	3	13	14	10	6	0	0	0	8	5	2	1	0	1	0	0	0	0	8
July	4.01	1.38	.0	5.2	7.7	sw.	34	sw.	1	8	15	8	10	8	0	0	0	7	0	0	0	8	3	0	0	0	0	10
August	3.61	1.05	.0	5.4	7.3	sw.	34	nw.	1	11	7	13	11	9	0	0	0	14	3	2	0	0	3	0	0	0	0	9
September	5.12	1.32	T	6.4	8.1	s.	28	w.	0	5	13	12	11	10	1	0	0	18	3	1	1	0	0	0	3	0	0	5
October	1.44	0.44	T	5.2	9.3	w.	32	w.	1	12	7	12	9	6	1	0	0	15	5	3	1	0	0	0	6	0	0	1
November	3.71	1.34	3.3	7.5	11.8	s.	34	sw.	2	4	8	18	13	12	6	4	1	18	6	3	4	1	0	0	14	0	0	2
December	2.71	1.59	10.1	7.6	10.8	sw.	32	w.	1	5	8	18	12	9	13	5	0	19	4	6	2	16	0	0	25	3	0	1
Year	35.66	1.98	36.3	6.6	9.9	sw.	36	nw.	10	78	106	181	130	100	65	28	3	121	49	32	12	44	15	4	107	10	49	

UNITED STATES METEOROLOGICAL YEARBOOK

CINCINNATI, OHIO

Airport [$\phi=39^{\circ}06' N.$; $\lambda=84^{\circ}25' W.$] City [$\phi=39^{\circ}09' N.$; $\lambda=84^{\circ}31' W.$]

Month	Pressure				Temperature (° F.)													Moisture										
	Mean		Extremes		Mean													Extremes										
	Station level	Sea level	Station level		Dry bulb				Wet bulk				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point				Relative humidity						
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	
<i>In.</i> (1)	<i>In.</i>	<i>In.</i> (1)	<i>In.</i> (1)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)
January	29.42	30.13	29.87	28.60	27.9	26.0	36.5	32.7	26.3	24.6	32.0	29.8	39.2	23.4	31.3	61	-7	23	22	25	25	24	80	83	61	72	74	
February	29.36	30.06	29.79	28.54	28.2	27.0	35.1	32.8	26.6	25.6	31.3	29.8	36.8	24.0	30.4	52	5	24	23	24	25	24	82	84	64	70	75	
March	29.21	29.89	29.58	28.35	41.7	39.4	51.9	49.1	38.3	36.9	43.9	42.7	55.1	36.6	45.8	78	28	34	34	34	35	34	76	80	56	61	68	
April	29.41	30.09	29.66	28.93	48.8	47.2	68.1	63.7	45.2	44.3	53.8	52.4	68.3	45.8	57.0	89	32	42	41	42	42	42	78	82	41	49	62	
May	29.34	30.01	29.65	28.93	57.8	57.8	72.3	69.3	55.1	55.1	61.3	60.5	74.2	54.5	64.4	90	39	53	53	54	55	54	86	85	55	62	72	
June	29.30	29.96	29.56	29.00	66.9	66.8	80.9	76.9	65.2	64.7	69.4	69.4	82.6	63.4	73.0	93	52	64	63	64	66	64	92	89	57	70	77	
July	29.35	30.01	29.52	29.18	70.3	70.7	84.8	81.5	68.1	68.1	71.5	72.0	86.8	67.3	77.0	95	54	67	67	65	68	67	89	88	54	64	74	
August	29.37	30.04	29.64	29.10	67.6	66.4	81.5	76.2	65.8	64.7	69.9	69.5	82.8	64.2	73.5	93	48	65	64	64	66	65	91	92	57	72	78	
September	29.39	30.06	29.86	29.05	59.5	58.5	75.2	68.5	57.9	56.7	63.6	63.1	76.5	56.3	66.4	91	32	57	55	56	60	57	92	90	53	74	77	
October	29.37	30.04	29.62	28.80	51.0	48.1	65.6	58.4	48.7	46.6	55.3	53.1	67.5	47.1	57.3	84	25	46	45	47	49	47	85	90	54	71	75	
November	29.41	30.10	29.79	28.88	45.6	42.5	51.3	47.6	41.9	40.3	45.2	43.1	54.8	38.8	46.8	75	20	38	37	38	38	38	74	83	63	70	72	
December	29.41	30.11	29.94	28.65	29.5	29.0	35.5	33.1	28.2	27.8	32.8	31.2	37.5	24.8	31.2	65	2	26	26	28	28	27	85	86	73	80	81	
Year	29.36	30.04	29.94	28.35	49.6	48.3	61.6	57.5	47.3	46.3	52.5	51.4	63.5	45.5	54.5	95	-7	45	44	45	46	45	84	86	57	68	74	

CLEVELAND, OHIO

Airport [$\phi=41^{\circ}24' N.$; $\lambda=81^{\circ}51' W.$]

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COLUMBIA, MO.

Airport [$\phi=38^{\circ}58' N.$; $\lambda=92^{\circ}28' W.$] City [$\phi=38^{\circ}57' N.$; $\lambda=92^{\circ}20' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)				(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January-----	29.30	30.17	29.82	28.65	27.3	23.9	35.5	32.6	25.2	22.7	30.8	28.7	41.3	20.9	31.1	69	—6	21	20	23	22	21	76	83	61	63	71
February-----	29.20	30.07	29.51	28.50	29.4	26.3	35.0	33.4	28.1	25.4	31.9	30.9	39.7	25.2	32.4	62	6	26	24	27	27	26	85	89	72	75	80
March-----	29.04	29.89	29.51	28.43	40.5	37.2	50.3	46.9	36.8	34.5	42.5	40.7	54.7	35.9	45.3	75	25	32	31	34	33	32	74	79	55	62	67
April-----	29.18	30.01	29.55	28.79	55.0	50.6	65.6	64.8	48.9	46.6	54.3	54.3	70.9	50.0	60.4	90	33	43	43	45	46	44	66	75	52	54	62
May-----	29.12	29.95	29.44	28.70	58.8	56.1	69.2	68.2	55.3	53.5	60.0	59.5	74.1	54.0	64.0	91	38	52	52	54	53	53	81	86	59	61	72
June-----	29.10	29.92	29.32	28.76	68.5	67.0	76.7	77.1	65.7	64.8	68.5	69.4	82.5	64.9	73.7	94	45	64	64	64	66	64	86	89	68	69	78
July-----	29.17	29.99	29.41	28.96	73.3	71.3	84.8	84.5	69.6	68.3	73.7	74.5	89.3	69.1	79.2	99	60	68	67	69	70	69	84	87	60	63	73
August-----	29.17	29.99	29.40	29.03	69.8	65.9	81.4	79.6	66.3	64.2	71.5	71.1	85.0	65.9	75.4	98	54	65	63	67	67	66	84	91	63	67	76
September-----	29.19	30.02	29.68	28.96	62.0	58.6	73.1	69.7	58.3	56.4	63.3	62.2	77.3	58.0	67.6	93	33	56	55	57	57	56	80	87	60	66	73
October-----	29.17	30.01	29.48	28.57	52.4	48.3	65.6	59.4	48.7	46.1	54.8	52.0	68.8	46.6	57.7	83	24	45	44	46	45	45	77	85	51	60	68
November-----	29.17	30.02	29.62	28.58	43.3	41.1	52.3	48.2	40.3	38.5	45.6	43.8	56.8	38.3	47.6	80	21	37	35	39	39	37	78	80	62	72	73
December-----	29.24	30.10	29.74	28.70	27.8	27.1	34.3	31.6	26.5	26.3	31.7	29.8	38.5	24.1	31.3	69	6	24	24	28	27	26	85	89	76	82	83
Year-----	29.17	30.01	29.82	28.43	50.7	47.8	60.3	58.0	47.5	45.6	52.4	51.4	64.9	46.1	55.5	99	—6	44	44	46	46	45	80	85	62	66	73

COLUMBIA, S. C.

Airport [$\phi=34^{\circ}00' N.$; $\lambda=81^{\circ}03' W.$] City [$\phi=34^{\circ}00' N.$; $\lambda=81^{\circ}03' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.73	30.11	30.14	29.14	41.9	36.9	54.4	48.0	38.6	35.2	45.3	42.4	56.7	36.2	46.4	72	15	34	33	34	35	34	75	85	50	62	68	69
February	29.62	30.00	30.08	28.94	38.7	35.1	49.3	45.6	35.8	33.2	41.9	40.8	52.7	34.5	43.6	68	21	32	30	32	34	32	75	82	52	66	69	67
March	29.57	29.94	29.87	28.68	51.0	47.3	65.6	59.6	47.3	44.8	54.3	52.4	66.3	46.2	56.2	83	30	43	42	44	46	44	76	82	49	62	67	67
April	29.71	30.08	30.01	29.26	58.0	56.0	76.8	70.6	52.8	51.7	60.6	59.3	78.7	53.1	65.9	91	34	48	48	48	51	49	71	75	38	51	59	52
May	29.66	30.03	29.88	29.43	65.7	66.1	81.1	75.4	62.8	62.9	66.9	66.9	82.5	62.1	72.3	90	51	61	61	60	62	61	86	84	52	65	72	72
June	29.60	29.96	29.86	28.99	73.2	74.3	88.0	81.4	70.4	70.6	74.6	73.4	89.9	70.3	80.1	99	63	69	69	69	70	69	87	83	54	70	74	74
July	29.66	30.03	29.85	29.48	75.8	77.6	90.5	83.8	73.3	73.6	77.9	76.6	92.8	73.1	83.0	104	67	72	72	73	74	73	89	83	58	74	76	76
August	29.68	30.05	29.95	29.49	73.5	72.6	86.5	79.9	71.2	70.2	75.3	73.7	88.3	70.0	79.2	100	58	70	69	71	71	70	90	89	51	75	78	78
September	29.67	30.04	30.06	29.38	69.3	68.3	84.6	77.2	67.1	75.8	73.0	71.5	86.0	66.3	76.2	97	44	66	64	68	69	67	89	88	59	76	78	78
October	29.66	30.03	30.03	29.32	58.1	55.3	75.4	67.5	56.0	54.1	63.6	61.4	77.4	54.8	66.1	83	39	54	53	56	57	55	88	92	52	71	76	76
November	29.75	30.12	30.09	29.34	50.8	47.4	66.8	59.2	47.9	45.2	56.1	53.4	68.5	46.3	57.4	84	28	45	43	47	48	46	81	85	51	68	71	71
December	29.74	30.01	30.26	28.90	41.5	39.3	51.7	47.0	39.6	37.8	46.7	44.2	55.0	36.8	45.9	74	20	37	36	42	41	39	84	87	70	79	80	80
Year	29.67	30.04	30.26	28.68	58.1	56.4	72.6	66.3	55.2	53.8	61.4	59.7	74.6	54.1	64.4	104	15	53	52	54	55	53	83	85	54	68	72	72

CINCINNATI, OHIO

Airport [$H=483$ ft.; $H_b=497$ ft.; $H_t=5$ ft.; $H_r=19$ ft.; $H_a=48$ ft.]. City [$H=548$ ft.; $H_b=627$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=51$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snow/fall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.			
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm
January	<i>In.</i> 2.02	<i>In.</i> 0.81	<i>In.</i> 5.3	5.8	<i>Mi.</i> 9.1	sw.	31	w.	0	10	6	15	12	10	8	5	0	0	0	0	0	10	0	0	22	3	1
February	2.71	.99	2.9	7.7	8.3	nw.	21	w.	0	5	4	19	13	6	14	7	0	0	0	0	8	0	0	23	0	1	
March	2.64	.52	1.2	7.4	9.7	sw.	33	w.	1	5	5	21	13	10	6	4	0	1	0	0	0	0	0	9	0	3	
April	3.20	2.66	T	4.5	8.1	sw.	25	nw.	0	13	9	8	7	6	1	0	0	2	2	2	2	0	0	2	0	2	
May	3.92	1.69	.0	6.9	7.1	s.	22	w.	0	5	9	17	12	7	0	0	0	0	0	0	0	0	0	0	0	7	
June	5.38	1.48	.0	6.4	5.4	ne.	21	sw.	0	5	13	12	15	12	0	0	0	8	6	3	0	0	4	0	0	8	
July	4.77	2.15	.0	4.9	5.8	sw.	18	nw.	0	10	14	7	11	8	0	0	0	0	0	0	0	8	1	0	0	15	
August	5.56	1.63	.0	5.7	5.4	sw.	24	sw.	0	7	12	12	12	8	0	0	0	2	2	2	1	0	2	0	0	8	
September	2.63	.91	.0	4.8	6.1	s.	19	sw.	0	12	12	6	10	7	0	0	0	2	1	3	4	0	1	0	0	5	
October	1.68	.70	.0	6.2	6.8	sw.	22	sw.	0	7	11	13	10	7	0	0	1	3	3	3	1	0	0	3	0	2	
November	4.85	1.17	.0	6.8	8.9	s.	32	sw.	1	8	6	16	13	10	0	0	0	2	3	3	1	0	0	9	0	1	
December	4.44	1.00	15.5	8.1	8.5	sw.	31	w.	0	4	4	23	16	12	10	5	0	2	6	2	4	11	0	0	23	0	1
Year	43.80	2.66	24.9	6.3	7.4	sw.	33	w.	2	91	105	169	144	103	39	21	1	22	23	18	13	29	15	1	91	3	54

CLEVELAND, OHIO

Airport [$H=787$ ft.; $H_b=805$ ft.; $H_t=27$ ft.; $H_r=5$ ft.; $H_a=54$ ft.]

January	1.79	0.72	5.6	7.3	12.5	sw.	43	sw.	3	6	4	21	14	8	19	10	0	7	5	3	2	9	0	0	27	3	0
February	3.98	1.00	20.7	7.9	11.4	nw.	32	w.	1	2	7	19	21	15	24	18	0	14	6	5	1	19	0	0	25	1	0
March	3.47	.87	8.8	7.9	13.3	w.	49	sw.	7	4	4	23	18	13	17	11	0	13	5	3	1	0	0	22	0	1	
April	2.80	1.03	.4	5.5	11.0	sw.	32	sw.	1	9	11	10	8	6	5	3	1	8	4	3	3	0	0	0	4	0	1
May	3.70	1.20	.0	6.9	10.4	s.	37	sw.	2	3	11	17	13	10	0	0	0	13	1	0	0	0	0	0	0	9	
June	4.09	1.64	.0	6.6	8.4	s.	36	sw.	1	1	18	11	12	12	0	0	0	17	4	2	1	0	3	0	0	9	
July	4.09	1.55	.0	5.1	8.5	sw.	40	s.	3	12	11	8	14	11	0	0	0	14	2	2	3	0	5	2	0	11	
August	3.50	1.49	.0	6.0	7.6	s.	31	sw.	0	7	13	11	10	10	0	0	0	16	4	5	3	0	0	0	0	5	
September	3.08	1.79	T	6.0	9.3	se.	32	sw.	1	7	12	11	12	10	1	0	0	7	0	0	0	0	1	0	0	2	
October	2.81	.64	T	6.2	10.1	sw.	33	sw.	2	9	8	14	9	9	2	0	0	15	4	4	2	0	0	0	3	0	2
November	3.30	.75	3.5	7.9	13.3	sw.	42	sw.	3	5	3	22	17	11	9	6	1	13	3	2	1	2	0	0	11	0	2
December	2.94	.91	9.4	8.5	12.4	sw.	47	sw.	3	1	6	24	19	12	21	14	0	18	3	2	1	16	0	0	27	0	0
Year	39.55	1.79	48.4	6.8	10.7	sw.	49	sw.	27	66	108	191	167	127	98	62	2	155	41	31	18	47	9	2	119	4	42

COLUMBIA, MO.

Airport [$H=781$ ft.; $H_b=785$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=52$ ft.]. City [$H=733$ ft.; $H_b=784$ ft.; $H_t=6$ ft.; $H_r=3$ ft.; $H_a=66$ ft.]

January	0.38	0.23	2.0	4.4	8.1	w.	24	nw.	0	14	10	7	2	2	4	1	0	2	1	0	0	10	0	0	24	5	0
February	3.65	1.24	10.4	6.7	8.3	nw.	27	nw.	0	5	10	13	14	9	12	7	2	2	1	1	2	6	0	0	23	0	2
March	2.56	1.37	.2	6.0	9.3	w.	30	sw.	0	8	10	13	9	6	5	2	1	0	0	0	0	0	0	0	11	0	4
April	2.67	.94	T	4.8	9.3	s.	24	sw.	0	12	13	5	10	7	1	0	0	0	0	0	0	0	0	0	0	0	5
May	4.84	1.04	.0	5.7	7.7	s.	21	nw.	0	5	20	6	15	11	0	0	1	0	0	0	0	0	3	0	0	0	11
June	7.18	3.70	.0	6.6	6.2	e.	30	nw.	0	3	16	11	16	13	0	0	0	0	0	0	0	0	7	0	0	0	14
July	4.63	2.14	.0	4.2	6.0	sw.	27	nw.	0	12	17	2	11	9	0	0	1	1	0	0	0	0	16	4	0	0	10
August	3.73	1.48	.0	4.4	5.6	s.	21	nw.	0	11	14	6	9	9	0	0	0	0	0	0	0	0	8	1	0	0	8
September	4.57	1.95	.0	5.1	6.5	s.	18	nw.	0	9	12	9	11	8	0	0	0	0	0	0	0	8	0	0	0	0	3
October	1.43	.79	.0	4.6	6.4	w.	24	nw.	0	14	9	8	9	6	0	0	0	3	2	1	2	0	0	0	2	0	0
November	3.41	.85	.7	6.1	9.2	s.	24	nw.	0	9	9	12	14	9	3	2	1	3	1	1	2	0	0	0	8	0	3
December	4.51	2.64	7.6	6.5	7.5	n.	23	nw.	0	8	9	14	11	10	10	4	0	2	1	1	0	9	0	0	26	0	1
Year	43.56	3.70	20.9	5.4	7.5	s.	30	nw.	0	110	149	106	131	99	35	16	6	13	6	4	6	25	42	5	94	5	61

COLUMBIA, S. C.

Airport [$H=202$ ft.; $H_b=225$ ft.; $H_t=25$ ft.; $H_r=23$ ft.; $H_a=43$ ft.]. City [$H=332$ ft.; $H_b=347$ ft.; $H_t=70$ ft.; $H_r=68$ ft.; $H_a=91$ ft.]

January	2.20	0.84	T	4.9	8.4	sw.	29	sw.	0	11	12	8	7	3	0	0	11	1	0	0	0	0	0	0	0	2
February	2.94	1.06	T	5.2	8.1	nw.	25	s.	0	12	5	11	7	6	2	1	0	4	1	1	2	0	0	0	12	0
March	6.12	1.44	0.0	4.6	9.8	s.	32	sw.	1	15	6	10	12	11	0	0	0	4	2	2	2	0	0	0	2	5
April	2.75	2.75	.0	2.7	7.9	s.	27	nw.	0	20	8	2	2	2	0	0	0	1	0	0	0	0	0	0	0	1
May	4.57	1.80	.0	5.6	7.5	s.	26	s.	0	12	5	14	9	9	0	0	0	6	0	0	0	0	1	0	0	9
June	4.67	2.52	.0	5.9	7.4	s.	28	sw.	0	6	15	9	10	7	0	0	0	7	2	0	0	13	3	0	0	8
July	7.24	3.42	.0	5.9	6.7	w.	23	s.	0	11	5	15	12	9	0	0	1	0	0	0	0	21	11	0	0	11
August	4.68	2.00	.0	5.9	7.7	s.	30	s.	0	9	9	13	12	8	0	0	0	4	3	1	0	0	12	4	0	13
September	2.66	1.19	.0	5.1	6.6	ne.	23	ne.	0	13	9	8	8	8	0	0	0	4	2	2	1	0	12	4	0	3
October	1.01	.63	.0	3.8	7.4	n.	25	sw.	0	16	8	7	6	4	0	0	0	2	0	0	0	0	0	0	0	1
November	2.25	1.96	.0	3.4	8.0	ne.	25	sw.	0	17	8	5	5	3	0	0	0	6	3	2	1	0	0	0	1	0
December	4.14	1.18	T	6.3	8.8	ne.	36	w.	2	7	8	16	17	14	1	1	1	15	5	4	3	0	0	0	9	0
Year	45.23	3.42	T	4.9	7.9	s.	36	w.	3	149	98	118	108	88	6	2	2	64	19	12	8	0	60	22	30	0

UNITED STATES METEOROLOGICAL YEARBOOK

COLUMBUS, OHIO

Airport [$\phi=40^{\circ}00' N$; $\lambda=82^{\circ}53' W$.] City [$\phi=39^{\circ}58' N$; $\lambda=83^{\circ}00' W$.]

Month	Pressure				Temperature (° F.)														Moisture																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Mean		Extremes		Mean														Extremes										Mean																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
In. (1)	In.	In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)

CONCORD, N. H.

Airport [$\phi=43^{\circ}12' N$; $\lambda=71^{\circ}30' W$.]

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CONCORDIA, KANS.

[$\phi=39^{\circ}35' N$; $\lambda=97^{\circ}41' W$.]

January	28.68	30.21	29.18	28.14	25.8	23.4	31.4	31.7	23.9	21.9	27.7	28.5	37.3	20.3	28.8	58	—8	21	19	22	24	22	82	85	68	75	77
February	28.55	30.08	28.90	27.96	27.1	24.5	32.7	33.5	25.9	23.9	29.2	30.7	37.8	21.9	29.8	60	5	24	22	23	26	24	85	89	68	75	79
March	28.40	29.90	28.95	27.78	37.6	34.9	46.1	48.4	34.4	32.5	39.4	40.9	52.5	32.5	42.5	76	23	30	29	31	31	30	75	78	57	54	66
April	28.47	29.94	28.91	27.85	52.8	49.0	62.6	64.1	48.0	45.9	52.9	53.3	68.3	46.4	57.4	88	34	43	42	44	44	43	70	79	53	50	63
May	28.44	29.90	28.88	27.86	57.4	54.0	66.8	69.5	53.0	50.3	57.3	58.9	72.5	51.4	62.0	90	37	50	47	50	51	49	76	78	56	53	66
June	28.45	29.89	28.80	28.15	68.9	65.0	77.5	77.6	64.3	62.0	66.9	67.7	81.7	63.3	72.5	95	47	62	60	61	62	61	79	85	58	62	71
July	28.50	29.94	28.82	28.30	74.8	70.8	87.2	89.8	67.2	65.9	70.2	70.0	93.4	69.1	81.2	102	60	63	63	62	60	62	66	78	44	38	57
August	28.52	29.95	28.82	28.35	72.5	68.6	81.2	83.0	66.8	65.4	69.1	70.3	86.3	67.0	76.6	103	56	64	64	63	64	64	76	85	56	55	68
September	28.54	30.00	28.95	28.14	60.9	57.8	69.8	69.0	57.2	55.3	60.6	60.7	74.8	55.6	65.2	91	33	54	53	54	55	54	80	85	60	63	72
October	28.54	30.02	28.85	28.03	53.9	47.5	63.3	61.8	49.4	44.9	52.5	53.1	68.5	45.9	57.2	86	21	45	42	43	46	44	74	82	50	57	65
November	28.52	30.02	29.01	27.87	41.3	37.4	48.0	46.0	37.3	34.5	40.5	39.9	54.4	32.4	43.4	78	7	32	30	32	33	32	70	75	56	61	66
December	28.60	30.13	29.07	28.29	26.6	25.3	32.1	30.5	25.4	24.1	29.5	28.6	35.8	21.5	28.6	60	4	23	22	25	25	24	86	86	76	80	82
Year	28.52	29.98	29.18	27.78	50.0	46.5	58.2	58.7	46.1	43.9	49.6	50.2	63.6	43.9	53.8	103	—8	43	41	42	43	42	77	82	58	60	69

CORPUS CHRISTI, TEX.

Airport [$\phi=27^{\circ}46' N$; $\lambda=97^{\circ}27' W$.] City [$\phi=27^{\circ}49' N$; $\lambda=97^{\circ}25' W$.]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	30.18	30.20	30.71	29.68	49.6	46.4	60.1	55.8	47.2	44.6	51.5	50.3	61.6	46.7	54.2	78	27	44	42	44	45	44	83	87	58	69	74	79	82
February	29.98	30.00	30.35	29.49	55.0	53.8	61.4	58.8	52.5	51.8	55.0	54.4	64.4	51.4	57.9	80	34	50	50	49	50	50	84	87	68	76	79	82	85
March	29.92	29.94	30.35	29.45	58.9	57.2	70.4	66.4	55.2	54.2	59.6	59.1	72.0	56.9	64.4	85	41	52	51	51	53	52	79	82	54	65	70	73	76
April	29.91	29.94	30.34	29.46	67.4	65.8	75.7	72.0	65.2	64.1	68.0	67.4	76.1	66.2	71.2	84	55	64	63	64	65	64	88	91	67	79	81	84	87
May	29.90	29.92	30.16	29.60	73.7	72.0	81.2	77.8	71.3	70.1	73.0	72.8	82.5	72.4	77.4	89	61	70	69	69	71	70	89	91	68	79	82	85	88
June	29.83	29.85	30.08	29.54	78.2	77.1	87.4	83.5	76.2	75.5	77.9	77.4	89.7	77.3	83.5	95	64	76	75	74	75	75	92	93	66	76	82	85	88
July	30.00	30.02	30.17	29.86	77.8	76.2	87.6	83.7	76.0	75.1	78.5	77.4	90.0	77.4	83.7	97	70	75	75	75	75	75	92	95	67	76	82	85	88
August	29.91	29.93	30.10	29.09	78.8	76.4	89.0	84.8	76.5	75.2	77.7	77.6	90.9	78.4	84.6	95	69	76	75	73	75	75	90	95	61	72	80	83	86
September	29.94	29.97	30.26	29.72	75.1	72.9	83.3	79.8	72.2	70.2	73.9	73.3	85.8	72.9	79.4	91	52	71	69	69	70	70	86	90	64	73	78	81	84
October	29.94	29.97	30.20	29.60	71.1	68.3	81.3	76.0	68.4	66.5	70.7	70.2	82.5	69.2	75.8	89	58	67	65	65	67	66	87	88	60	75	77	80	83
November	30.02	30.04	30.52	29.57	63.5	60.8	74.9	68.3	60.7	58.5	64.3	62.8	76.6	61.5	69.0	85	44	58	56	57	59	58	84	86	56	74	75	78	81
December	30.03	30.06	30.35	29.49	57.3	54.7	68.5	63.2	55.3	53.1	60.1	58.6	71.4	53.8	62.6	82	37	54	52	54	55	54	88	90	61	76	78	80	83
Year	29.96	29.99	30.71	29.09	67.2	65.1	76.7	72.5	64.7	63.2	67.5	66.8	78.6	65.3	72.0	97	27	63	62	62	63	63	87	90	62	74	78	81	84

MONTHLY AND ANNUAL SUMMARIES

55

COLUMBUS, OHIO

Airport [$H=815$ ft.; $H_b=833$ ft.; $H_t=6$ ft.; $H_r=2$ ft.; $H_a=45$ ft.] City [$H=724$ ft.; $H_b=822$ ft.; $H_t=90$ ft.; $H_r=88$ ft.; $H_a=110$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	In. 1.24	In. 0.38	In. 2.8	6.7	Mi. 11.1	s. s.	Mi. 42	sw.	3	9	4	18	9	9	10	2	0	3	2	2	2	9	0	0	24	3	1
February	2.11	.79	.6	6.8	10.7	w.	31	n.	0	8	3	17	10	6	13	4	0	3	2	2	0	9	0	0	24	0	0
March	2.59	.69	1.2	7.5	12.1	w.	51	s.	7	4	4	23	14	10	9	3	0	4	2	2	0	9	0	0	11	0	1
April	2.24	1.33	T	5.1	9.5	s.	33	sw.	2	12	8	10	7	6	1	0	0	3	3	3	2	0	0	0	1	0	2
May	3.41	1.21	.0	7.0	9.3	s.	41	sw.	1	7	5	19	10	10	0	0	0	0	0	0	0	0	2	0	0	0	5
June	2.95	1.55	.0	6.5	7.7	s.	39	w.	1	3	15	12	11	9	0	0	0	3	0	0	0	0	7	0	0	0	6
July	2.57	.61	.0	5.9	8.2	s.	31	sw.	0	7	12	12	13	10	0	0	1	3	2	2	2	0	7	2	0	0	7
August	2.97	.91	.0	6.4	7.2	n.	36	sw.	1	8	5	18	11	9	0	0	0	4	2	2	2	0	2	0	0	0	3
September	2.83	1.34	.0	5.1	8.6	s.	29	sw.	0	10	12	8	10	9	0	0	0	3	2	2	2	0	1	0	0	0	2
October	1.06	.51	T	5.8	8.8	s.	37	s.	2	11	5	15	6	4	1	0	0	3	2	0	0	0	0	0	2	0	1
November	3.08	1.20	2.0	7.4	11.2	s.	38	s.	2	5	7	18	11	8	4	1	0	3	2	2	2	0	0	0	10	0	2
December	3.28	1.30	8.0	8.0	10.1	s.	39	sw.	2	4	4	23	18	14	16	9	0	4	3	2	2	12	0	0	24	1	1
Year	30.33	1.55	14.6	6.5	9.5	s.	51	s.	21	88	84	193	130	104	54	19	1	36	22	18	15	30	19	2	96	4	31

CONCORD, N. H.

Airport [$H=339$ ft.; $H_b=346$ ft.; $H_t=4$ ft.; $H_r=3$ ft.; $H_a=45$ ft.]

January	2.81	0.93	8.9	5.2	7.5	nw.	29	nw.	0	10	11	10	8	6	14	6	0	9	0	1	1	13	0	0	30	11	0
February	1.81	.76	10.5	4.9	11.6	nw.	37	nw.	2	12	6	10	10	8	13	8	0	6	1	0	0	16	0	0	28	3	0
March	5.67	1.28	14.3	6.0	9.1	nw.	37	ne.	1	7	13	11	15	13	13	7	0	15	5	5	2	0	0	0	26	0	0
April	1.45	.46	5.8	5.3	7.6	nw.	29	w.	0	11	9	10	10	8	4	3	0	12	2	1	1	0	0	0	14	0	0
May	2.00	.66	0	6.3	6.4	nw.	23	nw.	0	6	11	14	12	10	0	0	0	22	6	7	5	0	0	0	2	0	5
June	5.36	2.42	.0	5.3	6.0	nw.	24	n.	0	12	9	9	14	12	0	0	0	22	5	3	5	0	4	0	0	0	8
July	5.02	1.17	.0	5.2	5.8	nw.	23	nw.	0	11	13	7	12	12	0	0	0	20	4	5	2	0	2	0	0	0	7
August	.95	.65	.0	3.9	5.7	nw.	21	nw.	0	15	11	5	4	3	0	0	0	19	8	3	1	0	0	0	0	0	1
September	5.23	2.02	.0	4.8	5.8	nw.	24	se.	0	12	7	11	13	8	0	0	0	23	10	8	7	0	2	0	2	0	2
October	2.23	.62	T	5.1	5.9	se.	20	nw.	0	8	14	9	10	7	1	0	0	16	9	1	6	0	0	0	11	0	1
November	4.80	1.08	3.9	6.8	7.5	nw.	27	w.	0	6	8	16	12	10	5	3	0	13	4	1	2	1	0	0	24	0	0
December	4.72	1.94	6.2	6.7	8.1	nw.	33	w.	1	7	7	17	12	7	16	7	0	9	0	0	0	13	0	0	31	7	0
Year	42.05	2.42	49.6	5.5	7.2	nw.	37	ne.	4	117	119	129	132	104	66	34	0	186	54	35	32	43	8	0	168	21	24

CONCORDIA, KANS.

[$H=1,375$ ft.; $H_b=1,392$ ft.; $H_t=50$ ft.; $H_r=42$ ft.; $H_a=58$ ft.]

January	0.26	0.26	6.4	4.2	8.3	w.	27	nw.	0	15	8	8	1	1	5	1	0	2	2	0	1	10	0	0	24	8	0
February	1.36	.42	10.0	6.1	8.0	e.	24	nw.	0	8	8	12	10	7	12	7	0	6	2	4	2	10	0	0	27	0	0
March	2.11	.86	3.2	5.7	10.0	nw.	30	s.	0	10	9	12	8	4	8	2	1	3	1	2	2	0	0	0	15	0	2
April	1.65	1.04	.0	5.7	10.4	s.	27	nw.	0	10	8	12	7	4	0	0	0	1	0	0	0	0	0	0	0	0	5
May	3.53	1.20	.0	5.6	9.1	s.	26	nw.	0	6	17	8	9	8	0	0	0	4	0	0	0	0	4	0	0	0	10
June	5.21	1.36	.0	6.2	7.9	s.	50	nw.	1	6	13	11	12	8	0	0	2	2	0	0	0	0	5	0	0	0	13
July	1.53	.77	.0	3.7	7.5	s.	31	w.	0	14	15	2	9	6	0	0	0	1	0	0	0	23	15	0	0	0	11
August	4.61	1.59	.0	5.3	7.7	s.	34	nw.	1	8	15	8	7	7	0	0	0	3	0	1	0	0	9	3	0	0	1
September	4.30	1.97	.0	5.4	8.2	s.	21	nw.	0	10	9	11	7	6	0	0	0	8	1	0	0	2	0	0	0	0	5
October	1.36	1.10	.0	4.5	6.5	w.	20	n.	0	13	10	8	8	3	0	0	0	5	1	0	0	0	0	0	3	0	1
November	.64	.28	2.9	5.8	8.9	s.	30	nw.	0	10	8	12	8	5	3	3	0	2	3	0	1	0	0	14	0	0	0
December	1.74	1.02	10.3	7.5	7.2	n.	26	n.	0	5	4	22	6	4	12	3	1	8	8	3	3	9	0	0	28	0	1
Year	28.30	1.97	32.8	5.5	8.3	s.	50	nw.	2	115	124	126	92	63	40	16	8	41	18	10	8	30	43	18	111	8	59

CORPUS CHRISTI, TEX.

Airport [$H=40$ ft.; $H_b=44$ ft.; $H_t=4$ ft.; $H_r=3$ ft.; $H_a=33$ ft.] City [$H=10$ ft.; $H_b=20$ ft.; $H_t=11$ ft.; $H_r=63$ ft.; $H_a=78$ ft.]

January	0.14	0.10	0.0	4.8	10.4	n.	28	nw.	0	13	7	11	4	2	0	0	0	0	0	0	1	0	0	0	2	0	1
February	4.67	2.25	.0	7.7	11.1	n.	35	n.	1	3	9	16	9	7	0	0	0	5	2	0	0	0	0	0	0	0	3
March	.97	.88	.0	5.5	12.7	s.	34	n.	2	11	8	12	5	2	0	0	0	1	0	0	1	0	0	0	0	0	2
April	.21	.12	.0	6.8	13.6	se.	38	s.	2	4	11	15	5	2	0	0	0	2	0	0	0	0	0	0	0	0	2
May	1.93	1.10	.0	6.4	12.5	s.	31	e.	0	5	11	15	7	3	0	0	0	0	0	0	0	0	0	0	0	0	4
June	3.30	1.35	.0	4.9	11.1	s.	33	s.	1	13	8	9	6	0	0	0	1	0	0	0	0	17	1	0	0	0	9
July	10.23	5.26	.0	5.9	9.5	s.	32	ne.	1	8	11	12	7	6	0	0	0	0	0	0	0	22	1	0	0	0	13
August	5.48	4.68	.0	4.5	10.9	s.	61	w.	2	14	13	4	7	6	0	0	0	0	0	0	0	24	1	0	0	0	3
September	3.97	1.02	.0	5.9	9.5	s.	31	e.	0	8	12	10	12	9	0	0	0	0	0	0	0	8	0	0	0	0	6
October	1.59	.74	.0	5.6	10.0	s.	28	s.	0	9	11	11	9	7	0	0	0	2	0	0	0	6	0	0	0	0	3
November	1.09	.89	.0	3.8	11.0	s.	29	n.	0	13	9	8	3	3	0	0	0	2	0	0	0	0	0	0	0	0	2
December	.09	.06	.0	4.8	10.0	s.	29	s.	0	13	7	11	3	1	0	0	0	5	0	0	0	0	0	0	0	0	1
Year	33.67	5.26	.0	5.6	11.0	s.	61	w.	9	114	117	134	80	54	0	0	1	17	2	0	2	0	71	3	2	0	49

DALLAS, TEX.
Airport [$\phi=32^{\circ}51' N.$; $\lambda=95^{\circ}51' W.$]

Month	Pressure				Temperature (° F.)														Moisture																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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DAVENPORT, IOWA ²
Airport [$\phi=41^{\circ}27' N.$; $\lambda=90^{\circ}30' W.$] City [$\phi=41^{\circ}30' N.$; $\lambda=90^{\circ}38' W.$]

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DAYTON, OHIO ³
Airport [$\phi=39^{\circ}54' N.$; $\lambda=84^{\circ}12' W.$] City [$\phi=39^{\circ}46' N.$; $\lambda=84^{\circ}12' W.$]

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MONTHLY AND ANNUAL SUMMARIES

57

DALLAS, TEX.

Airport [$H=487$ ft.; $H_b=488$ ft.; $H_t=5$ ft.; $H_r=28$ ft.; $H_a=45$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 0.47	<i>In.</i> 0.26	<i>In.</i> 1.0	5.2	9.7	n.	38	nw.	1	14	6	11	4	3	3	2	0	4	0	0	0	6	0	0	18	0	1
February	.96	.50	.0	6.5	12.8	se.	37	w.	5	7	7	14	4	3	0	0	5	1	1	1	0	0	0	5	0	2	
March	1.94	1.33	.5	4.4	14.8	s.	44	s.	9	14	8	9	6	5	4	2	0	2	0	0	0	0	0	2	0	0	
April	12.37	3.23	.0	7.3	14.3	se.	40	s.	7	4	9	17	15	13	0	0	0	9	0	0	1	0	0	0	0	13	
May	4.57	2.21	.0	6.4	13.2	s.	41	se.	5	6	11	14	7	6	0	0	1	5	0	0	0	6	0	0	0	6	
June	3.87	1.26	.0	5.5	11.1	s.	32	w.	1	10	10	10	7	7	0	0	1	2	0	0	0	17	4	0	0	7	
July	T	T	.0	4.1	10.8	s.	32	s.	1	15	10	6	0	0	0	0	0	0	0	0	0	28	19	0	0	1	
August	2.72	1.98	.0	5.5	10.2	se.	27	e.	0	10	13	8	9	7	0	0	0	2	0	0	0	24	13	0	0	6	
September	4.61	3.27	.0	4.7	8.7	se.	30	s.	0	12	12	6	5	4	0	0	0	3	0	0	0	9	1	0	0	2	
October	6.42	3.94	.0	5.5	8.3	se.	38	s.	2	11	7	13	6	6	0	0	0	9	1	2	2	0	0	0	0	4	
November	1.75	.81	.0	4.5	13.4	s.	37	s.	2	14	9	7	6	4	0	0	0	4	0	0	0	0	0	0	3	0	1
December	3.03	.96	T	5.5	10.4	se.	34	s.	1	11	6	14	7	7	3	0	0	0	0	0	0	0	0	0	4	0	1
Year	42.71	3.94	1.5	5.4	11.5	s.	44	s.	34	128	108	129	76	65	10	4	2	57	2	3	4	6	84	37	32	0	44

DAVENPORT, IOWA

Airport [$H=589$ ft.; $H_b=594$ ft.; $H_t=6$ ft.; $H_r=3$ ft.; $H_a=50$ ft.] City [$H=579$ ft.; $H_b=606$ ft.; $H_t=6$ ft.; $H_r=60$ ft.; $H_a=161$ ft.]

January	0.93	0.72	5.4	5.1	10.2	nw.	25	se.	0	14	5	12	4	2	7	3	0	9	3	3	2	10	0	0	26	8	0
February	.96	.36	8.1	7.5	9.6	ne.	25	n.	0	3	9	16	8	6	14	6	0	8	4	3	1	13	0	0	26	0	0
March	1.42	.51	1.7	8.0	11.3	w.	32	nw.	1	3	6	22	12	7	10	2	0	7	2	2	0	1	0	0	12	0	1
April	1.15	.49	.0	5.1	10.8	s.	32	sw.	1	14	6	10	4	3	0	0	0	5	0	0	0	0	0	0	2	0	4
May	3.65	.73	.0	7.8	10.1	sw.	31	sw.	0	1	8	22	12	10	0	0	0	7	1	0	0	0	1	0	0	0	10
June	3.88	1.08	.0	7.4	8.4	e.	28	n.	0	3	8	19	14	12	0	0	1	4	0	0	0	5	0	0	0	0	12
July	6.15	2.38	.0	5.0	8.0	sw.	51	nw.	1	11	13	7	13	8	0	0	1	1	0	0	0	9	2	0	0	0	15
August	2.66	.82	.0	5.2	7.6	sw.	28	nw.	0	10	11	10	9	9	0	0	0	9	0	0	0	6	0	0	0	0	9
September	4.22	1.10	T	6.3	8.6	sw.	29	sw.	0	6	12	12	16	11	1	0	0	9	1	0	0	0	2	0	1	0	7
October	.79	.31	T	5.1	8.6	w.	24	sw.	0	11	10	10	8	4	1	0	0	5	1	0	0	0	0	0	4	0	3
November	3.20	1.13	2.8	7.0	11.3	nw.	29	sw.	0	5	8	17	15	12	7	4	0	11	3	1	1	3	0	0	13	0	2
December	3.87	3.09	6.5	7.4	9.5	nw.	24	w.	0	5	7	19	10	6	16	6	1	16	4	2	1	20	0	0	30	4	1
Year	32.88	3.09	24.5	6.4	9.5	sw.	51	nw.	3	86	103	176	125	90	56	21	3	91	19	11	5	47	23	2	114	12	64

DAYTON, OHIO

Airport [$H=1,000$ ft.; $H_b=1,003$ ft.; $H_t=4$ ft.; $H_r=3$ ft.; $H_a=36$ ft.] City [$H=743$ ft.; $H_b=900$ ft.; $H_t=186$ ft.; $H_r=179$ ft.; $H_a=213$ ft.]

January	1.55	0.80	3.2	6.3	11.8	sw.	48	sw.	3	8	5	18	9	7	12	3	0	8	2	1	0	9	0	0	23	4	1
February	2.88	1.01	1.2	7.3	10.4	nw.	30	w.	0	7	2	19	10	5	14	3	0	6	2	1	1	13	0	0	24	0	0
March	2.75	.69	2.1	7.5	12.6	w.	40	w.	8	5	5	21	11	7	8	2	0	8	4	2	1	0	0	0	11	0	1
April	1.69	.88	1.0	5.6	10.4	sw.	33	nw.	1	9	9	12	7	6	1	1	0	6	0	0	0	0	0	0	3	0	1
May	2.31	.59	.0	7.5	10.3	sw.	35	s.	1	2	12	17	11	7	0	0	0	2	0	0	0	0	1	0	0	0	6
June	4.27	1.83	.0	6.8	7.9	sw.	30	w.	0	4	12	14	15	10	0	0	1	6	1	0	0	0	2	0	0	0	14
July	3.82	1.55	.0	5.6	8.3	sw.	35	w.	1	6	15	10	13	11	0	0	0	3	1	1	0	0	5	0	0	0	12
August	2.78	1.42	.0	5.7	7.5	n.	31	nw.	0	7	11	13	9	8	0	0	0	13	0	0	0	0	1	0	0	0	5
September	2.81	1.10	.0	5.1	9.0	sw.	28	nw.	0	8	13	9	9	6	0	0	0	3	0	0	0	0	0	0	0	3	3
October	1.86	.75	.0	5.5	9.5	sw.	38	s.	2	11	6	14	9	7	0	0	0	8	2	1	0	0	0	0	3	0	3
November	3.84	1.74	T	7.4	12.0	sw.	40	sw.	3	5	6	19	11	7	2	1	0	10	4	2	0	0	0	0	10	0	0
December	3.12	.85	7.5	8.1	10.2	sw.	34	w.	2	4	4	23	15	15	11	7	0	14	3	0	0	11	0	0	24	1	0
Year	33.68	1.83	15.0	6.5	10.0	sw.	48	sw.	21	76	100	189	129	96	48	17	1	87	19	8	2	33	9	0	98	5	46

DEL RIO, TEX.

[$H=957$ ft.; $H_b=960$ ft.; $H_t=63$ ft.; $H_r=56$ ft.; $H_a=71$ ft.]

January	0.30	0.30	0.0	5.1	8.2	se.	30	nw.	0	13	5	13	2	2	0	0	0	1	1	0	1	0	0	6	0	0	
February	.75	.42	.0	7.4	9.7	se.	27	nw.	0	4	6	18	9	6	0	0	0	2	2	1	1	0	0	2	0	0	
March	.01	.03	.0	4.9	10.9	se.	41	nw.	3	11	11	9	1	0	0	0	0	0	0	1	0	0	0	0	0	0	
April	.99	.47	.0	6.6	11.4	se.	34	nw.	1	6	10	14	8	5	0	0	2	0	0	0	0	2	0	0	0	4	
May	4.33	3.97	.0	7.0	10.6	se.	43	nw.	2	2	17	12	6	4	0	0	0	0	0	0	0	10	1	0	0	4	
June	.70	.52	.0	4.8	10.5	se.	30	w.	0	9	20	1	5	3	0	0	0	0	0	0	0	24	15	0	0	5	
July	.13	.13	.0	5.5	10.9	se.	32	e.	1	7	19	5	1	1	0	0	0	0	0	0	0	27	12	0	0	6	
August	2.92	1.69	.0	5.6	10.6	se.	34	w.	1	9	14	8	6	5	0	0	0	0	0	0	0	26	13	0	0	4	
September	3.96	3.27	.0	5.5	8.3	se.	29	w.	0	7	16	7	5	5	0	0	0	0	0	0	0	3	0	0	0	3	
October	1.58	1.21	.0	5.5	8.1	se.	31	nw.	0	10	10	11	5	4	0	0	0	1	0	0	0	1	0	0	0	4	
November	.83	.75	.0	4.2	8.8	se.	27	nw.	0	14	8	8	3	2	0	0	0	1	0	0	0	0	0	0	0	1	
December	.39	.33	.0	3.8	8.1	e.	32	nw.	1	18	4	9	5	2	0	0	0	6	2	0	2	0	0	3	0	0	
Year	16.89	3.97	.0	5.5	9.7	se.	43	nw.	9	110	140	115	56	39	0	0	2	11	5	1	5	0	93	41	11	0	31

DENVER, COLO.

Airport [$\phi=39^{\circ}48' N.$; $\lambda=104^{\circ}53' W.$] City [$\phi=39^{\circ}45' N.$; $\lambda=105^{\circ}00' W.$]

Month	Pressure				Temperature (° F.)														Moisture											
	Mean		Extremes		Mean														Extremes		Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulk				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity							
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly			
In. (1)	In.	In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)			
January	24.79	30.22	25.22	24.39	22.1	19.5	31.6	30.4	19.2	16.4	25.7	25.7	41.1	18.8	30.0	60	-12	14	10	16	18	15	70	64	54	61	62			
February	24.61	30.03	24.84	24.31	19.0	15.7	26.9	25.9	16.9	13.8	22.8	22.8	33.1	15.1	24.1	56	-4	12	8	16	17	13	73	73	62	70	69			
March	24.61	29.92	25.00	24.18	31.8	28.2	41.9	43.2	27.6	24.9	33.2	34.2	48.5	27.7	38.1	64	14	21	19	21	22	21	64	63	44	44	54			
April	24.60	29.81	25.06	24.22	45.2	40.4	56.1	58.8	39.6	36.5	43.5	45.1	63.0	40.0	51.5	80	26	34	32	30	31	32	67	74	43	41	56			
May	24.65	29.83	25.07	24.18	50.7	44.4	62.8	64.9	43.2	39.5	47.3	48.4	68.7	43.7	56.2	95	32	36	38	32	32	34	62	71	35	35	51			
June	24.71	29.85	25.18	24.45	58.2	53.4	71.5	71.5	53.1	49.8	55.3	56.5	76.3	53.6	65.0	90	42	50	47	43	46	46	75	80	41	46	60			
July	24.85	29.97	25.10	24.65	64.9	59.2	82.2	81.0	55.9	52.5	59.8	60.1	86.3	60.3	73.3	95	52	50	48	45	46	47	60	67	29	32	47			
August	24.79	29.89	25.10	24.49	65.2	58.9	78.5	80.2	55.3	51.9	58.9	58.8	83.5	59.9	71.7	92	51	49	47	46	44	47	57	66	34	32	47			
September	24.79	29.96	25.06	24.39	65.3	48.9	69.5	70.2	47.6	43.8	52.2	52.3	74.4	48.1	61.2	90	29	41	39	38	38	39	62	71	36	35	51			
October	24.76	30.00	25.14	24.34	46.7	41.4	56.5	56.8	40.3	37.4	44.3	44.7	62.1	40.8	51.4	82	22	34	33	33	34	33	66	74	47	49	59			
November	24.67	29.94	25.16	24.06	35.7	34.2	50.2	47.1	29.7	28.7	37.4	35.8	57.0	29.1	43.0	78	15	21	20	21	21	21	56	59	35	39	48			
December	24.68	30.02	25.09	24.31	31.0	28.4	42.5	39.8	26.0	24.0	33.1	31.7	48.5	25.6	37.0	63	12	18	16	20	20	18	59	60	42	45	51			
Year	24.71	29.95	25.22	24.06	43.8	39.4	55.8	55.8	37.9	34.9	42.8	43.0	61.9	38.6	50.2	95	-12	32	30	30	31	30	64	68	42	44	55			

DES MOINES, IOWA

Airport [$\phi=41^{\circ}31' N.$; $\lambda=93^{\circ}38' W.$] City [$\phi=41^{\circ}35' N.$; $\phi=93^{\circ}37' W.$]

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DETROIT, MICH.

Airport [$\phi=42^{\circ}24' N.$; $\lambda=83^{\circ}00' W.$]

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DEVILS LAKE, N. DAK.

[$\phi=48^{\circ}07' N.$; $\lambda=98^{\circ}52' W.$]

January	28.42	30.07	28.87	27.96	14.0	11.1	19.7	19.7	13.2	10.7	17.6	17.8	25.3	6.9	16.1	47	-27	10	9	12	14	11	85	92	73	78	82
February	28.50	30.16	28.78	27.94	9.1	6.7	15.6	15.3	8.9	6.6	14.3	14.4	20.6	2.6	11.6	36	-23	8	6	10	11	9	95	98	79	83	89
March	28.27	29.88	28.80	27.74	26.9	24.3	32.7	32.4	25.8	23.8	30.1	30.0	36.4	22.0	29.2	56	10	24	23	26	26	25	88	95	77	79	85
April	28.35	29.94	28.79	27.78	39.8	36.4	46.3	48.9	37.3	34.9	40.8	42.8	51.6	33.9	42.8	81	15	34	33	34	37	35	81	87	64	65	74
May	28.40	29.98	28.74	27.75	45.4	42.1	54.7	55.8	42.1	39.8	46.3	46.8	59.1	38.8	49.0	78	27	38	37	37	37	38	78	83	56	60	68
June	28.33	29.88	28.66	27.94	55.6	53.3	65.3	65.5	52.7	51.7	57.0	56.9	69.6	50.6	60.1	81	39	50	50	51	50	50	83	86	61	64	73
July	28.40	29.95	28.72	28.02	60.6	57.5	72.9	73.4	58.4	56.0	62.4	63.7	76.9	54.7	65.8	89	43	57	55	56	58	56	88	92	56	60	74
August	28.35	29.90	28.70	28.00	59.8	56.2	72.2	71.3	57.9	55.4	62.7	63.0	76.4	54.0	65.2	94	42	57	55	57	58	57	90	96	61	66	78
September	28.41	29.98	28.83	27.96	47.2	43.7	59.5	58.7	45.4	42.8	50.6	51.2	63.7	41.7	52.7	86	21	44	42	43	45	44	88	93	56	62	75
October	28.36	29.95	28.82	27.84	41.8	37.0	53.6	50.5	38.4	35.1	44.0	42.5	58.1	34.5	46.3	80	10	34	33	34	35	34	75	84	51	57	67
November	28.34	29.96	28.95	27.47	23.7	20.8	31.8	28.8	21.7	19.5	27.4	25.6	36.8	15.5	26.2	61	-6	18	17	20	20	19	79	85	62	71	74
December	28.44	30.11	29.03	27.87	5.0	3.7	8.9	7.8	4.5	3.4	8.2	7.3	15.5	-3.6	6.0	32	-20	2	2	6	5	4	88	92	87	88	89
Year	28.38	29.98	29.03	27.47	35.7	32.7	44.4	44.0	33.9	31.6	38.4	38.5	49.2	29.3	39.2	94	-27	31	30	32	33	32	85	90	65	69	77

MONTHLY AND ANNUAL SUMMARIES

59

DENVER, COLO.

Airport [$H=5,299$ ft.; $H_b=5,332$ ft.; $H_t=47$ ft.; $H_r=42$ ft.; $H_a=59$ ft.] City [$H=5,221$ ft.; $H_b=5,292$ ft.; $H_t=106$ ft.; $H_r=98$ ft.; $H_a=113$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																		
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.			
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm	
	<i>In.</i>	<i>In.</i>	<i>In.</i>		<i>Mi.</i>		<i>Mi.</i>																					
January	0.65	0.54	7.7	3.9	7.2	s.	29	w.	0	17	8	6	4	2	7	4	0	5	0	0	0	8	0	0	25	6	0	
February	1.44	.66	19.5	6.4	7.0	s.	27	w.	0	4	13	11	14	7	16	14	0	4	2	0	0	13	0	0	27	2	0	
March	.91	.32	10.2	4.3	8.2	s.	34	ne.	1	14	10	7	6	4	7	5	0	0	0	0	0	1	0	0	20	0	1	
April	4.01	1.36	6.1	6.1	8.9	s.	39	nw.	1	6	12	12	10	8	4	4	1	0	0	0	0	0	0	0	2	2	4	
May	1.00	.84	T	5.2	7.8	ne.	29	ne.	0	8	16	7	5	2	4	1	0	0	0	0	0	0	1	0	2	0	2	
June	1.85	.99	0	5.7	7.4	s.	28	ne.	0	6	15	9	10	5	0	0	1	0	0	0	0	0	1	0	0	0	10	
July	1.21	.44	0	4.2	7.3	s.	32	n.	2	11	16	4	10	5	0	0	1	0	0	0	0	11	1	0	0	0	13	
August	.39	.38	0	4.8	7.1	s.	26	n.	0	11	14	6	3	2	0	0	0	1	1	0	0	0	2	0	0	0	6	
September	.69	.38	.3	3.9	7.1	s.	26	nw.	0	16	7	7	7	5	3	3	0	1	0	0	0	0	0	0	2	0	1	
October	3.72	1.15	10.6	4.7	7.0	s.	25	nw.	0	13	8	10	8	6	4	4	1	3	2	1	1	1	0	0	6	0	2	
November	.23	.22	2.8	4.5	7.7	s.	31	nw.	0	12	12	6	3	1	7	3	0	4	4	2	2	1	0	0	22	0	0	
December	.35	.28	4.5	4.9	7.6	s.	28	w.	0	9	16	6	3	2	7	3	0	8	8	7	6	4	0	0	25	0	0	
Year	16.45	1.36	61.7	4.9	7.5	s.	39	nw.	4	127	147	91	83	49	59	41	4	26	17	10	9	28	15	1	131	8	39	

DES MOINES, IOWA

Airport [$H=954$ ft.; $H_b=963$ ft.; $H_t=31$ ft.; $H_r=22$ ft.; $H_a=47$ ft.] City [$H=800$ ft.; $H_b=860$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=99$ ft.]

January	1.18	1.34	17.7	4.2	10.5	nw.	30	n.	0	15	9	7	1	1	3	1	0	10	7	2	2	11	0	0	29	9	0
February	1.20	.54	10.6	8.1	9.6	n.	28	n.	0	3	4	21	8	5	17	7	0	7	2	2	1	15	0	0	26	2	0
March	2.01	.81	2.7	7.3	12.3	nw.	30	nw.	0	7	3	21	7	6	10	3	1	4	2	0	0	2	0	0	15	0	3
April	1.03	.50	.0	5.2	11.5	se.	38	se.	3	12	7	11	5	4	0	0	0	0	0	0	0	0	0	0	2	0	3
May	6.62	2.31	.0	6.3	10.3	sw.	34	se.	2	5	14	12	10	7	0	0	0	3	1	0	0	0	2	0	0	0	9
June	9.00	2.91	.0	6.7	8.8	se.	38	nw.	2	5	11	14	15	12	0	0	2	0	0	0	0	0	4	1	0	0	13
July	7.11	3.87	.0	4.3	8.2	s.	33	sw.	1	12	17	2	13	9	0	0	0	3	0	0	0	0	7	1	0	0	13
August	2.53	1.66	.0	4.5	7.9	s.	33	sw.	1	12	13	6	6	6	0	0	0	7	0	0	0	0	6	1	0	0	5
September	3.03	1.51	.3	5.8	8.9	n.	27	nw.	0	10	9	11	10	9	1	1	0	12	0	0	0	0	0	0	1	0	6
October	2.50	1.72	T	3.9	8.5	nw.	27	n.	0	18	7	6	7	5	2	0	1	0	0	0	0	0	0	0	4	0	1
November	1.73	.70	4.8	6.6	10.9	se.	29	sw.	0	8	5	17	10	8	10	5	0	7	1	1	1	3	0	0	16	0	0
December	1.23	.54	5.6	6.5	9.6	n.	31	n.	0	6	12	13	11	5	15	8	0	8	5	3	2	18	0	0	30	2	0
Year	39.17	3.87	41.7	5.8	9.7	se.	38	nw.	9	113	111	141	103	77	58	25	4	61	18	8	6	49	19	3	123	13	53

DETROIT, MICH.

Airport [$H=619$ ft.; $H_b=626$ ft.; $H_t=5$ ft.; $H_r=4$ ft.; $H_a=78$ ft.]

January	2.03	1.05	3.3	7.2	12.3	sw.	40	sw.	3	6	6	19	9	6	13	5	0	10	2	1	1	12	0	0	27	4	0
February	1.60	.47	9.3	7.6	10.7	nw.	27	nw.	0	2	11	15	14	9	25	12	0	8	3	1	1	18	0	0	26	0	0
March	2.38	.86	2.2	8.3	12.0	nw.	42	sw.	4	3	4	24	16	10	13	6	0	14	1	1	1	0	0	18	0	1	
April	1.45	.80	4.7	5.8	10.2	sw.	27	sw.	0	10	6	14	5	4	4	3	0	7	1	1	1	0	0	5	0	0	
May	4.51	1.35	.0	7.5	9.6	s.	45	nw.	1	3	8	20	17	12	0	0	1	14	4	2	1	0	1	0	0	9	
June	2.31	.71	.0	6.3	7.7	ne.	29	w.	0	3	17	10	11	8	0	0	0	9	1	1	0	0	1	0	0	4	
July	3.35	.93	.0	4.9	8.6	w.	32	nw.	1	9	18	4	13	10	0	0	0	9	0	0	0	6	2	0	0	10	
August	4.12	2.03	.0	5.7	7.6	sw.	34	w.	2	9	12	10	10	10	0	0	0	13	3	1	1	0	0	0	0	5	
September	2.95	.95	.0	6.0	8.8	s.	33	nw.	1	9	10	11	14	12	0	0	0	15	1	0	0	0	0	0	0	0	
October	4.00	1.49	T	5.9	9.3	sw.	33	se.	1	10	7	14	12	10	1	0	0	15	3	1	1	0	0	0	3	0	
November	2.92	1.34	4.4	7.7	11.3	w.	35	w.	2	3	7	20	13	9	10	4	0	13	4	1	1	2	0	0	15	0	
December	3.42	1.42	9.2	8.1	11.2	sw.	37	w.	1	4	6	21	17	11	18	11	1	13	0	0	0	16	0	0	26	0	
Year	35.04	2.03	33.1	6.8	9.9	sw.	45	nw.	16	71	112	182	151	111	84	41	2	140	23	10	8	48	8	2	120	4	33

DEVILS LAKE, N. DAK.

[$H=1,472$ ft.; $H_b=1,478$ ft.; $H_t=11$ ft.; $H_r=4$ ft.; $H_a=44$ ft.]

January	0.04	0.02	0.7	6.1	9.6	w.	34	nw.	1	8	10	13	2	0	15	2	0	3	2	0	0	14	0	0	31	10	0
February	.23	.05	2.6	8.2	7.8	se.	26	nw.	0	1	9	18	7	3	24	7	0	5	0	0	0	25	0	0	28	7	0
March	2.14	.96	16.8	7.8	10.4	nw.	33	n.	1	5	6	20	12	8	21	12	0	9	3	3	1	8	0	0	31	0	0
April	.63	.21	2.7	7.6	10.8	se.	26	nw.	0	2	11	17	10	7	4	3	0	2	0	0	0	4	0	0	12	0	0
May	3.01	.98	T	7.9	11.2	se.	30	n.	0	5	3	23	13	9	4	1	0	3	0	0	0	0	0	6	0	1	
June	2.63	1.51	.0	7.4	9.4	se.	23	nw.	0	4	7	19	13	10	0	0	0	5	1	1	0	0	0	0	0	3	
July	4.25	1.32	.0	6.9	6.7	nw.	31	nw.	0	6	8	17	13	10	0	0	0	6	0	0	0	0	0	0	0	8	
August	3.36	2.46	.0	6.2	7.6	nw.	27	e.	0	7	9	15	13	8	0	0	0	13	4	4	3	0	1	0	0	7	
September	1.15	.41	T	5.2	8.1	s.	28	se.	0	10	8	12	10	5	3	1	1	5	1	1	1	0	0	9	0	2	
October	.23	.11	.7	5.4	8.7	nw.	29	nw.	0	10	10	11	7	2	8	4	0	2	1	1	0	3	0	0	11	0	0
November	.08	.04	1.4	6.3	8.6	nw.	25	se.	0	8	7	15	3	1	12	3	0	2	1	0	0	10	0	0	29	2	0
December	.55	.13	9.0	8.0	8.0	nw.	24	n.	0	2	7	22	9	6	30	9	0	6	4	2	2	31	0	0	31	20	0
Year	18.30	2.46	33.9	6.9	8.9	nw.	34	nw.	2	68	95	202	112	69	121	42	1	61	17	12	7	95	1	0	188	39	21

UNITED STATES METEOROLOGICAL YEARBOOK

DODGE CITY, KANS.

² Airport [$\phi=37^{\circ}46' N.$; $\lambda=99^{\circ}58' W.$]

Month	Pressure				Temperature (° F.)															Moisture									
	Mean		Extremes		Mean													Extremes		Mean									
					Dry bulb				Wet bulb											Dew point					Relative humidity				
	Station level	Sea level	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly		
In. (1)	In.	In. (1)	In. (1)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%		
January	27.52	30.22	27.95	26.99	25.8	21.9	39.2	35.9	23.2	20.2	31.7	29.8	44.8	18.2	31.5	68	—13	19	17	21	21	20	76	80	51	57	66		
February	27.35	30.02	27.72	26.90	27.6	24.0	36.5	36.3	25.6	22.6	31.3	31.3	42.1	21.3	31.7	64	—4	22	20	24	24	23	80	84	61	63	72		
March	27.27	29.89	27.75	26.66	37.7	33.9	51.4	52.4	34.2	31.5	40.7	41.2	58.2	31.3	44.8	81	24	30	28	28	28	72	78	43	40	58			
April	27.28	29.87	27.70	26.66	51.6	47.2	62.0	61.8	47.6	44.8	52.4	52.6	66.7	44.5	55.6	89	31	44	42	44	35	44	77	84	57	60	69		
May	27.29	29.85	27.75	26.78	56.2	52.9	70.8	71.8	51.2	49.5	56.8	57.4	76.7	49.5	63.1	99	35	47	47	47	47	73	80	44	43	60			
June	27.30	29.83	27.71	26.98	67.7	64.3	78.6	79.7	62.1	60.7	65.7	66.1	84.1	61.6	72.8	100	46	59	59	59	59	75	83	54	52	66			
July ²	27.40	29.92	27.72	27.19	73.4	68.8	90.2	89.4	63.7	62.3	67.7	67.3	95.0	67.0	81.0	104	59	58	58	56	55	57	61	71	34	34	50		
August	27.39	29.92	27.66	27.19	70.2	65.9	84.0	83.0	64.9	63.0	68.6	68.3	88.9	64.1	76.5	101	55	62	62	61	61	62	77	86	48	50	65		
September	27.40	29.96	27.78	27.00	60.7	56.0	73.8	72.4	55.2	52.7	60.3	59.4	80.2	53.8	67.0	97	31	51	50	51	50	50	72	81	50	50	63		
October	27.40	29.99	27.74	26.91	52.1	48.0	64.4	60.3	48.1	45.7	53.3	52.0	68.8	45.6	57.2	88	30	45	44	44	46	45	77	85	52	61	69		
November	27.36	29.99	27.90	26.78	40.1	34.6	51.6	47.8	36.2	32.4	42.3	40.6	58.4	30.8	44.6	82	8	31	30	32	33	31	72	81	51	58	66		
December	27.41	30.08	27.85	27.06	29.3	26.9	36.8	33.9	27.8	25.7	33.3	31.6	41.3	22.9	32.1	62	6	26	24	29	28	27	86	88	74	81	82		
Year	27.36	29.96	27.95	26.66	49.4	45.4	61.6	60.4	45.0	42.6	50.3	49.8	67.1	42.6	54.8	104	—13	41	40	41	41	41	75	82	52	54	66		

DUBUQUE, IOWA

[$\phi=42^{\circ}30' N.$; $\lambda=90^{\circ}40' W.$]

January	29.31	30.10	29.88	28.56	20.9	18.5	24.6	23.0	19.3	17.4	21.8	20.9	29.5	14.2	21.8	48	-17	15	14	16	16	15	77	82	67	74	75	77	82	67	74	75	75
February	29.34	30.13	29.63	28.76	22.7	20.8	27.0	26.7	20.8	19.5	23.9	23.9	29.9	18.6	24.2	41	0	16	16	17	18	17	74	80	64	67	71	74	80	64	67	71	71
March	29.08	29.84	29.49	28.47	36.8	34.4	42.8	42.1	33.8	32.0	36.8	36.6	46.5	32.4	39.4	70	21	30	28	28	29	29	75	78	58	61	68	75	78	58	61	68	68
April	29.29	30.04	29.70	28.76	49.7	46.1	61.4	61.4	44.0	41.9	50.1	49.5	66.0	44.1	55.0	87	28	38	37	39	38	38	74	71	46	44	56	74	71	46	44	56	56
May	29.20	29.94	29.58	28.67	55.7	53.4	63.6	63.6	51.2	50.5	55.3	55.7	68.8	50.1	59.4	90	37	47	48	48	50	48	74	82	62	62	70	74	82	62	62	70	70
June	29.21	29.95	29.45	28.82	65.3	64.0	74.1	73.8	61.7	60.9	65.2	65.0	78.1	60.7	69.4	91	47	59	59	60	60	59	81	83	63	63	73	81	83	63	63	73	73
July	29.24	29.97	29.45	28.99	69.6	67.9	79.7	79.7	65.3	64.6	68.8	70.0	84.1	64.9	74.5	95	52	63	63	63	65	64	80	84	58	62	71	80	84	58	62	71	71
August	29.26	30.00	29.54	29.04	67.1	65.1	77.4	76.1	63.1	62.4	67.3	67.5	81.3	62.6	72.0	92	47	61	61	62	63	62	80	84	58	62	71	80	84	58	62	71	74
September	29.27	30.01	29.76	28.91	57.8	55.5	67.1	64.2	54.8	53.4	58.4	58.0	69.8	52.8	61.3	90	29	52	52	52	53	52	82	87	60	69	74	82	87	60	69	74	76
October	29.24	29.99	29.63	28.57	48.5	44.7	59.2	55.8	44.8	42.2	49.1	48.0	63.3	42.2	52.8	79	18	41	39	39	40	40	76	81	49	56	66	76	81	49	56	66	66
November	29.24	30.01	29.76	28.64	36.9	35.6	43.1	41.0	34.0	33.2	37.9	36.3	47.0	30.8	38.9	74	10	30	29	31	30	30	75	78	62	64	70	78	78	62	64	70	70
December	29.33	30.12	29.91	28.75	19.1	17.9	24.1	22.5	18.1	17.0	22.1	21.0	27.4	13.7	20.6	41	-4	15	14	17	17	16	84	84	73	78	80	84	84	73	78	80	80
Year	29.25	30.01	29.91	28.47	45.8	43.7	53.7	52.5	42.6	41.2	46.4	46.0	57.6	40.6	49.1	95	-17	39	38	39	40	39	77	81	60	64	71	77	81	60	64	71	71

DULUTH, MINN.

Airport [$\phi=46^{\circ}50' N.$; $\lambda=92^{\circ}11' W.$] City [$\phi=46^{\circ}47' N.$; $\lambda=92^{\circ}6' W.$]

	(1)	(1)	(1)	(2)	(3)	(3)	(3)	(3)	(3)	(3)								(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	
January	28.74	30.02	29.13	28.36	13.7	11.2	17.8	17.4	12.8	10.6	16.2	15.8	25.5	8.4	17.0	55	-26	10	9	12	11	10	83	88	78	76	80	76	81	83	88	78	81
February	28.87	30.16	29.14	28.34	10.2	8.3	18.9	17.0	9.7	8.0	17.3	15.8	24.3	7.8	16.0	41	-22	8	7	13	12	10	89	93	76	80	84	80	90	90	69	74	80
March	28.61	29.86	29.04	28.19	25.7	22.9	32.9	31.3	24.5	22.1	29.6	28.7	37.2	25.7	31.4	46	14	22	20	24	24	23	86	90	69	74	80	80	90	90	69	74	80
April	28.79	30.03	29.32	28.13	38.1	36.3	51.5	47.7	34.9	33.7	43.4	40.6	54.6	34.4	44.5	80	17	31	30	34	32	32	76	79	54	56	66	79	79	54	56	66	66
May	28.74	29.98	29.11	28.17	43.0	42.5	54.6	51.5	40.8	40.3	46.7	45.1	56.8	38.7	47.8	82	25	38	38	38	38	38	82	85	59	64	72	82	85	59	64	72	72
June	28.73	29.95	28.94	28.32	52.2	53.5	65.1	61.4	50.2	51.2	57.7	55.6	65.5	48.0	56.8	82	36	48	49	52	51	50	87	86	66	71	78	86	86	66	71	78	78
July	28.75	29.96	29.05	28.40	57.4	58.1	70.1	68.4	54.9	55.2	61.5	61.2	72.5	54.1	63.3	89	45	53	53	56	56	55	86	84	63	68	75	89	84	63	68	75	75
August	28.74	29.95	29.01	28.43	58.7	57.5	70.3	67.3	56.7	56.1	62.0	61.4	73.1	55.7	64.4	89	40	55	55	57	58	56	89	92	65	73	80	89	92	65	73	80	80
September	28.77	30.00	29.14	28.27	47.8	46.1	58.4	53.8	46.3	45.2	51.7	49.7	61.8	44.8	53.3	77	26	45	44	46	46	45	89	92	65	76	81	89	92	65	76	81	81
October	28.71	29.94	29.18	28.12	40.3	37.5	51.5	45.0	38.1	36.0	43.5	40.5	54.5	37.9	46.2	74	17	36	34	35	36	35	84	88	57	71	75	88	88	57	71	75	75
November	28.71	29.96	29.25	28.13	25.9	23.3	30.5	28.6	23.9	22.1	27.6	26.0	37.4	20.3	28.8	56	-2	20	20	22	21	21	79	86	70	72	77	86	86	70	72	77	77
December	28.80	30.09	29.39	28.28	10.1	7.6	13.1	12.4	9.9	7.5	12.4	11.9	18.9	5.7	12.3	33	-16	9	7	11	10	9	94	96	85	89	91	96	96	85	89	91	91
Year	28.75	29.99	29.39	28.12	35.3	33.7	44.6	41.8	33.6	32.3	39.1	37.7	48.5	31.8	40.2	89	-26	31	30	33	33	32	85	88	67	72	78	86	86	67	72	78	78

MONTHLY AND ANNUAL SUMMARIES

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DODGE CITY, KANS.

Airport [$H=2,594$ ft.; $H_b=2,592$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=58$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 0.10	<i>In.</i> 0.07	<i>In.</i> 1.9	4.4	<i>Mi.</i> 10.9	nw.	31	s.	0	12	14	5	4	1	6	4	0	5	2	2	2	9	0	0	28	5	0
February	1.24	.37	12.2	5.8	11.4	n.	42	nw.	1	10	5	13	8	6	14	8	0	6	4	3	1	6	0	0	26	2	0
March	1.19	.84	2.4	5.2	12.3	nw.	40	s.	3	13	5	13	9	4	7	3	1	4	2	3	0	0	0	20	0	2	
April	5.27	2.15	T	6.4	14.5	s.	40	s.	8	9	6	15	10	9	2	0	2	5	2	0	0	0	0	0	2	7	
May	1.22	.59	.0	4.6	13.8	s.	36	s.	4	12	13	6	6	4	0	0	1	0	0	0	0	0	6	3	0	6	
June	6.06	3.51	.0	6.6	12.3	s.	49	nw.	1	6	12	12	10	7	0	0	2	7	2	0	0	0	11	4	0	11	
July	1.70	1.09	.0	4.5	13.9	s.	34	nw.	2	11	15	5	7	6	0	0	0	0	0	0	0	23	17	0	0	12	
August	1.89	.93	.0	5.3	14.2	s.	53	n.	6	10	13	8	11	9	0	0	0	8	3	2	1	0	12	6	0	12	
September	1.33	.51	.0	4.3	15.8	s.	49	n.	11	15	7	8	7	6	0	0	0	5	1	1	1	0	10	1	1	6	
October	3.60	1.19	T	5.1	13.1	s.	36	n.	4	10	11	10	10	10	1	0	0	8	2	0	2	0	0	0	2	1	
November	.06	.03	.1	5.5	15.7	s.	46	n.	12	9	9	12	4	0	3	1	1	5	1	2	2	1	0	0	18	0	0
December	.88	.46	10.8	6.5	12.7	sw.	45	n.	3	6	11	14	7	6	7	6	0	13	8	5	7	8	0	0	29	0	0
Year	24.54	3.51	27.4	5.4	13.4	s.	53	n.	55	123	121	121	93	68	40	22	7	66	27	18	16	24	62	31	126	7	57

DUBUQUE, IOWA

[$H=641$ ft.; $H_b=699$ ft.; $H_t=60$ ft.; $H_r=53$ ft.; $H_a=79$ ft.]

January	1.01	1.00	10.9	5.0	6.7	nw.	22	nw.	0	14	4	13	3	1	6	2	0	11	3	3	1	12	0	0	30	9	0
February	.52	.17	3.9	7.4	6.9	nw.	20	nw.	0	4	6	18	7	4	15	5	0	8	3	2	2	16	0	0	26	2	0
March	1.12	.39	.3	8.0	7.4	nw.	25	nw.	0	3	5	23	9	5	12	2	1	5	2	1	0	0	0	16	0	2	
April	2.96	2.38	.0	5.1	7.2	s.	22	nw.	0	12	6	12	4	4	0	0	2	2	1	0	0	0	0	2	0	4	
May	5.89	1.59	.0	7.6	6.2	nw.	21	s.	0	5	6	20	16	12	0	0	2	7	0	0	0	0	0	0	0	11	
June	5.96	1.25	.0	7.5	5.7	se.	23	nw.	0	2	9	19	14	12	0	0	0	6	1	0	0	2	0	0	0	11	
July	3.70	.85	.0	5.4	5.0	nw.	16	nw.	0	7	14	10	11	10	0	0	0	6	0	0	0	4	1	0	0	12	
August	2.80	.69	.0	5.8	5.0	s.	20	n.	0	9	8	14	10	9	0	0	0	13	2	1	1	0	3	0	0	6	
September	3.82	1.16	T	6.6	5.5	s.	18	nw.	0	6	8	16	15	14	2	0	0	12	2	2	2	0	0	0	2	0	6
October	2.50	1.69	T	5.0	5.3	nw.	18	nw.	0	12	8	11	9	7	4	0	0	7	3	3	3	1	0	0	6	4	
November	3.60	1.67	5.8	6.9	7.2	nw.	21	se.	0	5	12	13	14	11	9	6	0	9	3	0	0	5	0	0	17	0	2
December	1.69	.98	8.7	7.5	6.4	nw.	19	nw.	0	6	4	21	10	7	20	7	0	6	1	1	1	23	0	0	30	3	0
Year	35.57	2.38	29.6	6.5	.2	nw.	25	nw.	0	85	90	190	122	96	68	22	5	92	21	13	10	57	9	1	129	14	58

DULUTH, MINN.

Airport [$H=1,417$ ft.; $H_b=1,417$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=52$ ft.] City [$H=1,133$ ft.; $H_b=1,133$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=47$ ft.]

January	0.31	0.24	3.1	5.4	14.5	nw.	55	nw.	8	12	8	11	5	1	13	5	0	4	1	1	1	19	0	0	31	10	0
February	.43	.18	6.4	7.0	10.0	nw.	45	nw.	1	5	7	16	7	5	15	7	0	0	0	0	0	24	0	0	28	7	0
March	2.34	.83	21.5	7.9	14.2	ne.	41	nw.	5	3	8	20	17	10	19	15	0	4	1	1	1	3	0	0	28	0	0
April	2.37	1.51	2.4	5.6	12.5	ne.	41	w.	3	8	13	9	8	7	3	3	2	3	3	1	2	1	0	0	14	0	4
May	4.74	1.90	T	6.7	11.7	ne.	37	w.	3	6	10	15	15	13	1	0	2	5	5	3	5	0	0	0	5	0	5
June	3.23	1.30	.0	7.0	9.8	ne.	35	nw.	1	4	9	17	18	10	0	0	1	11	8	7	8	0	0	0	0	7	
July	4.01	2.41	.0	5.9	10.7	ne.	35	sw.	1	8	12	11	12	11	0	0	0	10	9	8	8	0	0	0	0	7	
August	4.35	2.39	.0	6.1	10.2	ne.	33	w.	1	8	11	12	10	7	0	0	0	9	8	5	5	0	0	0	0	3	
September	1.50	.40	T	7.2	11.2	ne.	44	nw.	3	4	8	18	9	6	5	2	0	4	4	4	4	0	0	0	6	0	2
October	1.04	.66	2.2	4.8	12.5	nw.	35	nw.	2	14	7	10	6	5	6	2	0	2	2	2	0	2	0	0	8	0	2
November	.97	.57	.5	6.5	13.0	nw.	42	nw.	7	8	6	16	4	3	8	2	0	4	3	2	3	8	0	0	27	1	0
December	1.37	.49	16.8	7.7	12.8	nw.	41	nw.	4	5	5	21	15	6	24	15	0	4	1	0	1	30	0	0	31	10	0
Year	26.66	2.41	52.9	6.5	11.9	ne.	55	nw.	39	85	104	176	126	84	94	51	5	60	45	34	38	87	0	0	178	28	30

EASTPORT, MAINE

[$H=41$ ft.; $H_b=75$ ft.; $H_t=67$ ft.; $H_r=62$ ft.; $H_a=85$ ft.]

January	2.68	0.83	11.3	5.6	11.7	nw.	42	s.	1	10	9	12	13	7	17	12	0	5	0	0	0	20	0	0	29	8	0
February	1.29	.41	10.9	6.1	13.0	nw.	38	e.	2	7	9	12	13	9	16	11	0	6	0	0	2	19	0	0	27	1	0
March	4.13	1.42	9.2	6.2	11.5	e.	46	e.	5	8	9	14	12	8	10	7	0	6	0	0	1	0	0	25	0	0	
April	1.57	.47	9.9	5.3	10.3	n.	29	e.	0	10	11	9	12	8	3	3	0	7	1	0	4	0	0	10	0	0	
May	1.45	.49	.0	7.1	8.1	s.	23	s.	0	6	7	18	15	7	0	0	1	17	0	0	12	0	0	0	0	2	
June	3.06	1.42	.0	6.7	8.3	s.	28	e.	0	7	7	16	14	7	0	0	0	13	0	0	11	0	0	0	0	3	
July	2.62	1.34	.0	6.0	7.2	s.	20	sw.	0	8	11	12	14	10	0	0	0	12	1	0	15	0	0	0	0	1	
August	1.88	.78	.0	5.1	7.2	sw.	18	nw.	0	10	12	9	12	5	0	0	0	12	1	0	10	0	0	0	0	0	
September	3.48	1.39	.0	5.8	8.7	s.	29	s.	0	11	5	14	14	8	0	0	0	13	2	0	6	0	0	0	0	1	
October	2.79	1.70	.0	4.6	9.5	w.	29	s.	0	14	7	10	8	4	0	0	0	5	0	0	4	0	0	0	0	1	
November	2.68	.79	3.1	6.3	11.3	nw.	34	ne.	3	9	6	15	15	12	6	6	0	2	1	0	1	6	0	0	13	0	1
December	2.66	.80	9.9	5.7	13.2	w.	46	se.	1	11	6	14	11	9	10	8	0	2	0	0	0	17	0	0	31	7	0
Year	30.29	1.70	54.3	5.9	10.0	s.	46	e.	12	111	99	155	153	94	62	47	1	100	6	0	66	62	0	0	135	16	9

UNITED STATES METEOROLOGICAL YEARBOOK

ELKINS, W. VA.

Airport [$\phi=38^{\circ}53' N.$; $\lambda=79^{\circ}51' W.$] City [$\phi=38^{\circ}56' N.$; $\lambda=79^{\circ}51' W.$]

Month	Pressure				Temperature (° F.)															Moisture											
	Mean		Extremes		Mean															Extremes		Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Monthly	Dew point					Relative humidity							
Maximum			Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.							7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly				
	In. (1)	In.	In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	% (3)	% (3)	% (3)	% (3)	% (3)			
January	27.98	30.11	28.35	27.30	25.4	25.4	36.0	29.0	23.5	23.6	30.7	26.1	40.2	18.7	29.4	62	-7	20	20	22	21	21	79	80	58	71	72				
February	27.89	30.02	28.33	27.30	22.8	20.4	31.3	27.7	21.5	19.5	27.5	25.5	35.1	17.5	26.3	59	-7	19	18	20	21	19	82	88	63	74	77				
March	27.84	29.92	28.16	27.02	36.6	34.4	48.7	42.8	33.9	32.2	40.7	37.6	53.3	30.9	42.1	70	14	30	29	31	31	30	79	81	53	64	69				
April	28.04	30.11	28.34	27.60	43.0	43.0	62.7	55.2	40.0	40.2	50.1	46.9	66.5	39.1	52.8	86	25	36	37	38	38	38	78	80	44	56	65				
May	28.02	30.04	28.22	27.76	53.2	56.0	70.1	63.0	51.5	52.8	58.8	56.6	73.2	49.9	61.6	88	39	50	50	51	52	51	90	83	53	69	74				
June	27.98	29.98	28.23	27.73	60.7	63.4	75.7	69.4	59.7	61.3	66.0	65.3	80.1	58.2	69.2	88	46	59	60	61	63	61	95	90	61	81	82				
July	28.05	30.05	28.23	27.87	63.3	65.0	77.9	72.2	62.4	63.4	67.9	67.7	81.5	61.3	71.4	91	52	62	62	62	66	63	95	92	61	80	82				
August	28.07	30.08	28.33	27.84	61.3	62.1	75.5	67.6	60.8	61.4	66.8	65.0	78.5	59.4	69.0	87	44	60	61	62	64	62	97	96	66	89	86				
September	28.07	30.10	28.46	27.65	56.1	55.2	70.3	60.2	55.1	54.5	61.5	58.5	74.5	52.5	63.5	88	26	54	54	56	55	55	94	96	62	90	86				
October	28.02	30.08	28.32	27.51	46.6	44.2	62.8	53.3	45.2	43.2	53.4	49.5	65.7	43.4	54.6	80	21	44	42	46	46	45	91	93	56	78	80				
November	28.04	30.13	28.42	27.64	39.8	38.0	49.3	42.1	37.3	36.0	43.6	38.9	53.2	33.8	43.5	71	16	34	33	37	35	35	80	84	65	75	76				
December	27.98	30.10	28.47	27.07	29.0	25.8	33.8	31.7	27.4	24.8	31.0	29.4	39.5	22.7	31.1	60	-15	25	23	26	26	25	83	87	74	77	80				
Year	28.00	30.06	28.47	27.02	44.8	44.4	57.8	51.2	43.2	42.7	49.8	47.2	61.8	40.6	51.2	91	-15	41	41	43	43	42	87	88	60	75	77				

EL PASO, TEX.

Airport [$\phi=31^{\circ}48' N.$; $\lambda=106^{\circ}24' W.$] City [$\phi=31^{\circ}47' N.$; $\lambda=106^{\circ}30' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	26.28	30.12	26.61	25.78	40.8	35.9	51.0	54.5	34.4	31.3	40.0	42.1	59.5	35.9	47.7	74	26	26	24	26	27	26	56	64	38	36	48			
February	26.09	29.90	26.36	25.83	43.5	37.2	52.0	55.5	34.4	30.9	39.6	40.8	59.5	36.9	48.2	71	21	20	21	23	20	21	40	51	32	27	38			
March	26.10	29.88	26.46	25.69	49.5	42.6	58.3	63.4	38.6	34.6	43.3	44.9	66.8	41.4	54.1	80	26	24	23	25	21	23	38	46	29	21	34			
April	26.07	29.79	26.34	25.75	59.0	51.7	67.8	72.5	46.7	43.6	50.7	51.3	76.1	51.0	63.6	85	38	33	34	34	29	32	43	55	32	24	38			
May	26.09	29.77	26.37	25.87	68.7	58.5	79.6	84.6	48.6	44.8	53.9	54.1	87.5	59.5	73.5	98	49	24	28	28	21	25	22	34	16	10	21			
June	26.07	29.72	26.41	25.90	80.4	68.4	88.7	92.8	57.0	52.9	60.6	60.4	96.7	70.5	83.6	104	63	36	38	38	32	36	25	38	19	14	24			
July	26.21	29.88	26.44	26.06	76.9	70.4	87.3	90.6	61.8	60.4	65.8	64.7	95.5	71.6	83.6	102	63	53	54	54	49	52	44	58	33	26	40			
August	26.16	29.84	26.33	25.98	74.4	68.9	81.6	85.0	65.2	63.7	67.2	66.9	89.9	68.8	79.4	99	64	61	61	61	58	60	64	77	51	43	59			
September	26.18	29.88	26.49	25.98	68.0	61.9	78.5	81.0	58.4	56.4	62.2	61.1	85.5	61.5	73.5	93	50	52	53	53	49	52	59	73	43	36	53			
October	26.19	29.93	26.42	25.87	59.5	54.2	69.2	70.4	51.2	48.5	54.7	54.1	76.3	53.4	64.8	86	43	44	44	44	42	43	60	70	42	37	52			
November	26.20	29.98	26.64	25.92	52.1	45.0	63.4	65.0	41.9	38.5	48.2	48.1	71.5	44.7	58.1	84	31	31	31	34	32	32	45	58	34	30	42			
December	26.22	30.04	26.48	25.76	45.0	38.0	53.4	55.1	38.8	34.7	42.9	43.9	60.7	34.7	47.7	72	25	32	31	32	33	32	63	76	46	44	57			
Year	26.16	29.89	26.64	25.69	59.8	52.7	69.2	72.5	48.1	45.0	52.4	52.7	77.1	52.5	64.8	104	21	36	37	38	34	36	47	58	35	29	42			

ELY, NEV.

Airport [$\phi=39^{\circ}17' N.$; $\lambda=114^{\circ}52' W.$]

January	23.98	30.30	24.32	23.58	18.4	15.2	28.1	31.8	17.3	14.3	25.2	28.5	37.3	9.6	23.4	52	-17	15	12	21	24	18	87	89	74	72	80
February	23.77	30.02	24.06	23.34	22.4	17.6	29.2	31.4	20.6	16.0	24.7	26.2	35.0	12.5	23.8	47	-6	17	13	17	18	16	80	82	59	55	69
March	23.85	30.06	24.15	23.40	26.6	20.4	37.7	41.4	24.6	19.6	30.5	33.2	44.7	16.4	30.6	61	-2	22	18	21	23	21	80	90	51	50	68
April	23.78	29.88	24.02	23.45	36.6	31.9	49.6	52.1	31.7	29.0	38.2	40.2	56.1	27.0	41.6	70	7	26	25	26	27	26	65	77	40	42	56
May	23.81	29.92	24.17	23.49	42.2	33.0	54.3	57.5	34.7	29.4	40.8	41.7	61.5	30.6	46.0	81	20	26	25	26	26	26	55	73	37	32	49
June	23.86	29.88	24.21	23.62	51.5	39.6	68.5	75.2	40.0	33.2	47.2	49.4	77.2	37.7	57.4	86	31	28	25	27	25	26	41	57	21	16	34
July	23.99	29.96	24.17	23.81	65.5	53.1	83.0	87.2	47.6	42.0	54.5	55.3	89.6	50.6	70.1	96	41	31	30	32	29	31	29	43	16	13	25
August	23.94	29.93	24.07	23.68	60.9	49.2	78.3	80.6	46.5	40.8	54.3	54.1	85.1	45.8	65.4	94	29	33	32	36	33	34	39	54	24	21	34
September	23.93	29.98	24.18	23.65	48.3	37.6	69.6	74.6	35.9	30.5	46.9	48.4	76.9	34.5	55.7	84	18	20	21	25	23	22	32	48	19	15	28
October	23.96	30.09	24.18	23.52	38.4	31.5	56.2	59.7	32.5	28.1	42.4	43.0	63.2	27.9	45.6	79	8	25	23	29	26	26	60	71	39	32	50
November	23.90	30.10	24.26	23.45	30.2	26.6	41.4	42.2	26.7	23.6	33.4	34.4	50.1	20.0	35.0	68	-3	22	19	24	25	22	73	75	52	54	64
December	23.93	30.17	24.25	23.48	25.0	21.6	38.3	38.2	22.2	19.5	30.9	30.6	46.2	16.3	31.2	62	-2	17	16	21	20	19	71	77	49	47	61
Year	23.89	30.03	24.32	23.34	38.8	31.4	52.8	56.0	31.7	27.2	39.1	40.4	60.2	27.4	43.8	96	-17	24	22	25	25	24	59	70	40	37	52

ERIE, PA.

Airport [$\phi=42^{\circ}5' N.$; $\lambda=80^{\circ}12' W.$] City [$\phi=42^{\circ}7' N.$; $\lambda=80^{\circ}5' W.$]

	(1)		(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.24	30.04	29.71	28.46	25.1	23.2	29.4	26.7	23.7	22.1	26.6	25.2	33.3	21.6	27.4	51	0	21	20	22	22	21	83	87	75	83	82	
February	29.20	30.01	29.70	28.51	21.4	19.2	24.9	22.3	20.6	18.5	23.6	21.6	28.6	18.2	23.4	45	4	19	17	21	20	19	89	90	83	90	88	
March	29.08	29.87	29.54	28.07	34.3	34.0	39.1	35.6	32.5	32.2	36.0	33.6	43.4	31.5	37.4	67	24	30	30	32	31	31	84	84	78	84	83	
April	29.30	30.07	29.56	28.78	44.8	46.8	55.6	50.2	41.6	43.1	47.9	45.1	60.1	43.9	52.0	84	31	38	39	41	40	40	78	76	61	70	71	
May	29.24	30.01	29.57	28.88	54.4	46.2	62.6	58.7	51.9	52.5	56.2	54.8	67.5	52.7	60.1	87	39	50	50	52	52	51	83	79	70	79	78	
June	29.21	29.97	29.51	28.91	61.6	65.1	71.1	68.6	59.0	61.6	63.7	63.2	74.7	60.8	67.8	90	53	58	60	60	60	59	87	84	68	75	78	
July	29.24	30.00	29.45	29.00	64.9	68.0	75.4	72.5	62.0	64.0	67.8	66.3	78.5	64.7	71.6	91	52	60	62	64	63	62	86	81	68	73	77	
August	29.29	30.05	29.62	29.01	63.0	65.0	75.0	69.0	60.5	61.5	66.4	64.4	76.9	63.4	70.2	88	48	59	59	62	62	60	86	82	65	79	78	
September	29.28	30.05	29.75	28.81	58.5	58.2	69.6	61.7	55.8	55.7	61.6	58.0	72.9	57.0	65.0	88	40	54	54	56	55	55	85	85	64	80	78	
October	29.25	30.02	29.70	28.66	50.3	48.7	58.0	52.1	47.0	46.3	52.7	49.2	61.5	48.3	54.9	79	27	44	44	48	46	46	80	84	70	83	79	
November	29.27	30.05	29.78	28.72	40.0	38.9	44.0	40.2	37.3	36.5	39.8	37.5	49.0	36.7	42.8	65	25	37	33	35	34	35	79	79	72	79	77	
December	29.25	30.05	29.80	28.38	27.4	25.9	28.3	27.1	26.2	24.8	26.6	25.9	32.7	24.2	28.4	47	4	24	23	23	24	23	85	86	81	85	84	
Year	29.24	30.02	29.80	28.07	45.5	45.8	52.8	48.7	43.2	43.2	47.4	45.4	56.6	43.6	50.1	91	0	41	41	43	43	42	84	83	71	80	80	

ELKINS, W. VA.

Airport [H=1,990 ft.; H_b=2,006 ft.; H_t=5 ft.; H_r=3 ft.; H_a=31 ft.] City [H=1,927 ft.; H_b=1,947 ft.; H_t=61 ft.; H_r=53 ft.; H_a=78 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																		
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.		Thunderstorm		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below	
January	In.	In.	In.		Mi.																							
February	2.01	0.65	4.1	6.9	7.2	w.	27	sw.	0	4	11	16	11	7	16	8	3	8	0	0	10	0	0	30	5	1	0	
March	2.16	.69	13.3	8.0	7.8	w.	28	nw.	0	3	4	21	16	12	17	12	0	4	1	14	0	0	26	1	0	0		
April	3.61	1.33	15.1	7.9	8.7	w.	30	w.	0	2	6	23	18	13	13	9	0	17	0	0	2	0	0	21	0	0	0	
May	2.33	.65	1.0	6.0	6.6	w.	30	w.	0	8	10	12	9	8	5	2	1	14	1	1	1	0	0	8	0	3	0	
June	4.90	1.53	0	7.2	5.7	nw.	24	w.	0	3	11	17	14	11	0	0	0	14	6	5	5	0	0	0	0	5	0	
July	6.33	2.10	0	7.0	4.9	se.	25	ne.	0	1	14	15	19	14	0	0	0	24	9	5	7	0	0	0	0	10	0	
August	7.48	1.78	0	6.8	4.7	nw.	31	nw.	0	3	13	15	16	13	0	0	0	20	14	9	8	0	2	0	0	9	0	
September	9.35	1.93	0	7.2	4.3	e.	15	nw.	0	4	8	19	15	13	0	0	0	20	12	6	5	0	0	0	0	8	0	
October	3.51	1.12	0	6.9	4.5	se.	22	nw.	0	5	7	18	15	11	0	0	0	24	12	8	10	0	0	0	3	0	3	
November	3.45	1.14	T	6.9	5.2	se.	27	w.	0	7	5	19	15	11	1	0	0	16	11	6	7	0	0	0	3	0	1	
December	3.46	.67	T	7.4	7.1	w.	35	w.	1	4	5	21	16	12	8	5	0	10	4	2	1	1	0	0	15	0	0	
December	5.50	.80	25.9	8.6	7.6	w.	30	w.	0	1	5	25	21	19	8	13	0	13	3	2	1	10	0	0	25	2	0	
Year	54.09	2.10	59.4	7.2	6.2	w.	35	w.	1	45	99	221	185	144	78	49	4	184	75	45	46	37	2	0	131	8	40	

EL PASO, TEX.

Airport [H=3,920 ft.; H_b=3,916 ft.; H_t=6 ft.; H_r=4 ft.; H_a=71 ft.] City [H=3,710 ft.; H_b=3,778 ft.; H_t=82 ft.; H_r=75 ft.; H_a=101 ft.]

January	0.14	0.07	0.0	4.6	7.8	w.	27	ne.	0	11	12	8	2	2	0	0	1	0	0	0	0	0	0	0	7	0	1
February	.72	.59	T	5.1	8.9	w.	30	sw.	0	11	9	8	3	2	2	1	0	0	0	0	0	0	0	0	7	0	0
March	.02	.02	.1	3.4	9.2	w.	35	nw.	1	16	12	3	1	0	1	0	0	0	0	0	0	0	0	0	3	0	0
April	1.04	.45	.0	4.0	9.9	w.	31	sw.	0	13	10	7	8	6	0	0	1	0	0	0	0	0	0	0	0	0	4
May	T	T	.0	1.8	8.8	w.	22	e.	0	26	2	3	0	0	0	0	0	0	0	0	0	0	12	6	0	0	1
June	.52	.51	.0	2.4	9.2	w.	25	e.	0	20	9	1	2	1	0	0	1	0	0	0	0	0	30	21	0	0	2
July	.68	.47	.0	4.2	7.5	e.	27	n.	0	13	15	3	5	4	0	0	1	0	0	0	0	0	28	17	0	0	9
August	3.82	1.49	.0	5.5	7.3	e.	27	e.	0	7	18	6	13	7	0	0	0	0	0	0	0	0	18	4	0	0	16
September	1.03	.53	.0	3.4	7.5	e.	26	sw.	0	15	10	5	7	6	0	0	0	0	0	0	0	0	9	0	0	0	7
October	1.53	1.04	.0	4.1	7.5	e.	28	sw.	0	12	13	6	4	4	0	0	0	0	1	0	0	0	0	0	0	0	3
November	.00	.00	.0	2.7	7.7	w.	27	w.	0	18	9	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
December	1.26	.99	.0	4.0	7.5	w.	30	sw.	0	15	11	5	4	3	0	0	0	0	0	0	0	0	0	0	14	0	0
Year	10.76	1.49	.1	3.8	8.2	w.	35	nw.	1	177	130	58	49	35	3	2	4	0	1	0	0	0	97	48	32	0	44

ELY, NEV.

Airport [H=6,257 ft.; H_b=6,262 ft.; H_t=5 ft.; H_r=3 ft.; H_a=41 ft.]

January	0.63	0.53	5.5	4.9	9.4	s.	32	s.	1	13	9	9	5	3	12	4	0	3	0	1	0	7	0	0	30	6	0
February	.27	.06	3.2	6.6	11.6	s.	34	n.	2	6	6	16	13	2	21	12	0	0	0	0	8	0	0	27	5	0	
March	1.03	.58	11.7	5.4	9.5	s.	34	n.	1	11	7	13	7	5	12	7	0	2	1	0	0	4	0	0	30	2	0
April	.59	.25	2.0	6.2	12.8	s.	42	s.	8	8	8	14	9	5	9	6	2	1	0	0	1	0	0	0	23	0	2
May	.69	.26	1.2	6.2	11.7	s.	45	s.	6	5	15	11	7	4	9	6	0	1	0	0	0	0	0	0	20	0	1
June	T	T	0	2.8	11.4	s.	36	se.	3	19	9	2	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
July	.15	.15	0	4.2	11.8	s.	34	s.	2	12	18	1	1	1	0	0	0	0	0	0	0	13	2	0	0	6	
August	.17	.09	0	3.3	10.8	s.	39	s.	3	15	13	3	3	2	0	0	0	0	0	0	0	8	0	2	0	8	
September	T	T	.0	1.5	12.1	s.	34	s.	2	26	3	1	0	0	0	0	0	0	0	0	0	0	0	11	0	1	
October	.40	.22	1.0	3.8	10.8	s.	40	sw.	1	15	10	6	5	3	2	2	0	1	0	0	0	0	0	21	0	1	
November	.61	.25	8.3	4.6	11.4	s.	43	se.	6	15	3	12	5	3	6	2	2	1	0	0	0	2	0	0	27	2	0
December	.06	.06	1.4	6.3	9.7	s.	34	se.	2	10	4	17	1	1	8	1	0	2	0	0	1	0	0	31	1	0	
Year	4.60	.58	34.3	4.6	11.1	s.	45	s.	37	155	105	105	56	29	79	40	4	11	1	1	1	22	21	2	225	16	19

ERIE, PA.

Airport [H=732 ft.; H_b=737 ft.; H_t=5 ft.; H_r=3 ft.; H_a=31 ft.] City [H=655 ft.; H_b=690 ft.; H_t=57 ft.; H_r=50 ft.; H_a=81 ft.]

January	1.64	0.38	8.5	8.5	10.2	sw.	29	sw.	0	1	7	23	13	11	15	10	0	2	0	0	1	12	0	0	29	1	1
February	2.14	.67	11.4	6.9	8.9	w.	24	nw.	0	6	7	15	16	15	18	11	0	1	0	0	0	20	0	0	25	0	0
March	3.22	1.28	11.6	7.5	9.6	w.	34	w.	1	3	9	19	15	11	15	9	0	2	0	0	2	0	0	0	22	0	1
April	2.79	1.05	.7	5.1	8.4	w.	24	s.	0	10	14	6	8	8	1	1	0	2	0	0	1	0	0	0	2	0	1
May	6.47	1.57	.0	6.1	8.1	w.	24	w.	0	3	19	9	17	13	0	0	0	0	0	0	0	0	0	0	0	6	0
June	1.53	.49	.0	5.8	6.6	ne.	20	w.	0	7	14	9	11	8	0	0	0	0	0	0	0	0	0	0	0	3	0
July	4.12	.97	.0	5.1	7.4	w.	22	w.	0	9	17	5	15	12	0	0	0	0	0	0	0	2	0	0	0	6	0
August	2.87	1.94	.0	5.3	7.0	sw.	24	w.	0	9	16	6	7	6	0	0	0	0	0	0	0	0	0	0	0	0	0
September	6.42	2.50	T	5.9	7.5	s.	20	w.	0	7	12	11	13	10	1	0	0	0	0	0	0	0	0	0	0	2	0
October	4.36	.88	1.0	7.3	8.1	sw.	22	sw.	0	6	6	19	15	14	2	1	0	0	0	0	0	0	0	0	2	0	0
November	3.67	1.02	2.3	8.4	10.0	sw.	28	w.	0	2	5	23	15	13	9	6	0	0	0	0	1	0	0	8	0	0	0
December	2.08	.65	14.5	9.4	11.0	sw.	36	se.	1	1	1	29	15	9	15	12	0	3	0	0	14	0	0	25	0	0	0
Year	41.31	2.50	50.0	6.8	8.6	w.	36	se.	2	64	127	174	160	130	76	50	0	10	0	0	4	47	2	0	113	1	20

ESCANABA, MICH.
[$\phi=45^{\circ}48' N.$; $\lambda=87^{\circ}05' W.$]

Month	Pressure				Temperature (° F.)															Moisture								
	Mean		Extremes		Mean												Extremes			Mean								
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point				Relative humidity						
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						Maximum	Minimum	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.
	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
January	29.31	30.01	29.76	28.62	18.2	16.6	21.9	19.7	16.9	15.6	19.6	18.2	25.5	12.5	19.0	53	-20	14	13	13	14	13	13	81	84	66	76	77
February	29.43	30.12	29.75	28.76	17.9	17.0	24.2	21.2	16.7	16.2	21.8	19.6	26.3	13.4	19.8	36	-10	13	14	16	16	15	15	81	87	68	77	78
March	29.17	29.86	29.58	28.37	28.9	27.1	35.1	33.2	27.3	25.8	31.3	30.4	36.9	24.6	30.8	47	9	24	23	25	26	25	83	84	67	73	77	
April	29.40	30.08	29.84	28.72	40.1	38.8	47.9	45.6	36.8	36.1	41.5	40.4	51.9	36.0	44.0	73	26	32	32	33	34	33	75	78	59	65	69	
May	29.32	29.98	29.67	28.65	47.4	47.1	54.1	53.2	44.7	44.2	48.2	47.8	57.8	42.1	50.0	72	32	42	41	42	42	42	82	80	66	68	74	
June	29.32	29.98	29.62	28.86	58.0	58.1	65.4	64.6	55.1	55.0	58.1	58.0	68.3	53.4	60.8	81	38	53	53	53	53	53	84	83	65	69	75	
July	29.32	29.97	29.53	28.99	62.1	62.1	71.9	69.5	59.1	58.7	63.0	62.2	74.6	57.1	65.8	87	44	57	56	58	57	57	85	82	63	68	74	
August	29.34	30.00	29.64	28.96	62.4	61.0	71.1	68.7	59.3	58.8	62.7	63.1	73.2	57.5	65.4	87	40	57	57	57	60	58	83	88	64	74	77	
September	29.34	30.00	29.75	28.77	53.2	51.2	60.4	57.6	50.6	49.6	53.7	52.8	62.6	47.9	55.2	80	29	48	48	48	49	48	85	84	65	74	78	
October	29.28	29.95	29.78	28.61	44.6	42.9	53.4	49.4	41.8	41.1	46.8	44.9	56.2	39.1	47.6	74	22	38	39	40	40	39	80	86	62	71	75	
November	29.29	29.97	29.83	28.28	33.3	30.4	36.9	35.3	31.4	28.7	33.2	32.2	40.5	26.9	33.7	53	10	27	26	27	27	27	77	81	68	71	74	
December	29.35	30.04	29.97	28.45	18.9	18.4	23.0	20.9	17.8	17.4	21.0	19.3	25.5	13.5	19.5	34	-9	15	15	16	15	15	83	84	73	77	79	
Year	29.32	30.00	29.97	28.28	40.4	39.2	47.1	44.9	38.1	37.3	41.7	40.7	49.9	35.3	42.6	87	-20	35	35	36	36	35	82	84	66	72	76	

EUREKA, CALIF.
[$\phi=40^{\circ}48' N.$; $\lambda=124^{\circ}11' W.$]

January	30.05	30.12	30.36	29.48	49.1	47.3	51.4	54.6	45.8	44.5	47.2	49.4	56.7	43.9	50.3	74	28	42	42	43	44	43	80	82	75	71	77
February	30.00	30.08	30.32	29.51	46.9	44.1	49.1	51.5	45.1	42.6	45.2	47.6	53.4	41.2	47.3	59	34	43	41	41	44	42	87	89	74	75	81
March	29.06	30.13	30.29	29.44	48.0	44.5	50.0	52.6	45.3	42.6	45.8	47.8	54.8	42.1	48.4	68	35	42	40	42	43	42	82	86	73	71	78
April	29.93	30.00	30.25	29.48	50.6	49.0	52.5	54.1	47.8	46.1	48.3	49.5	56.8	46.4	51.6	67	39	45	43	44	45	44	81	81	75	72	78
May	30.02	30.10	30.26	29.62	52.1	49.3	55.0	56.1	49.8	47.8	50.6	51.7	58.1	48.1	53.1	72	38	48	46	47	48	47	82	85	90	74	81
June	30.02	30.09	30.18	29.87	54.7	52.3	57.2	59.0	52.3	50.8	53.3	54.1	60.8	51.5	56.2	72	48	50	49	50	50	50	86	90	78	73	82
July	30.00	30.07	30.14	29.80	58.3	56.5	60.9	62.2	56.4	55.3	57.3	58.1	63.9	55.6	59.8	71	53	55	54	55	55	55	90	93	81	78	86
August	29.93	30.00	30.13	29.80	56.2	54.8	57.1	58.6	54.7	54.0	54.9	55.6	60.9	53.8	57.4	66	49	54	53	53	54	53	91	95	87	83	89
September	29.96	30.02	30.13	29.76	53.8	51.9	56.7	57.9	52.1	50.8	52.9	54.1	60.2	50.8	55.5	69	44	51	50	50	51	50	90	92	79	79	85
October	30.04	30.11	30.35	29.71	52.6	50.6	54.5	56.6	51.2	49.3	51.7	53.3	59.6	48.2	53.9	71	40	50	48	50	51	50	91	92	84	82	87
November	30.02	30.09	30.33	29.50	50.5	49.5	53.9	54.9	48.2	47.0	50.0	51.2	58.5	45.5	52.0	70	37	46	44	46	48	46	86	84	77	78	81
December	30.10	30.17	30.37	29.54	48.9	48.0	50.5	52.0	47.5	46.6	48.3	49.6	54.8	44.9	49.8	62	36	46	45	46	47	46	90	90	86	85	88
Year	30.01	30.08	30.37	29.44	51.8	49.8	54.1	55.8	49.7	48.1	50.5	51.8	58.2	47.7	52.9	74	28	48	46	47	48	47	87	89	79	77	83

EVANSVILLE, IND.
Airport [$\phi=38^{\circ}02' N.$; $\lambda=87^{\circ}32' W.$]

January	(1)	30.15	(1)	(1)	28.2	25.7	36.0	32.8	26.2	24.1	31.7	29.7	40.7	20.6	30.6	66	-15	22	21	24	24	23	78	83	63	71	74
February	29.67	30.06	29.92	28.77	31.6	30.3	35.8	34.8	29.5	28.6	32.3	31.9	40.1	26.6	33.4	63	6	26	26	27	27	26	78	82	69	72	75
March	29.58	30.06	29.92	28.77	43.5	40.1	51.9	50.5	40.0	37.9	44.5	44.2	57.3	36.3	46.8	78	24	36	35	36	37	36	76	82	58	62	70
April	29.43	29.90	29.79	28.78	53.0	49.3	66.2	64.1	48.1	46.2	54.7	53.7	69.7	45.7	57.7	89	30	44	43	45	45	44	72	80	49	53	64
May	29.61	30.08	29.90	29.11	60.1	59.8	71.4	69.7	56.2	55.9	60.7	60.2	74.8	54.8	64.8	89	42	54	53	54	54	54	80	79	55	59	68
June	29.54	29.99	29.80	29.22	60.1	59.8	71.4	69.7	56.2	55.9	60.7	60.2	74.8	54.8	64.8	94	50	65	65	64	66	65	88	84	58	67	74
July	29.48	29.93	29.72	29.18	68.9	69.7	81.5	78.6	66.4	66.5	70.2	70.1	85.2	64.1	74.6	96	57	68	68	66	69	68	85	85	63	62	71
August	29.66	30.01	29.73	29.38	72.9	71.9	86.0	83.5	69.5	69.0	72.5	73.1	88.7	68.3	78.5	96	49	66	65	65	66	66	87	90	56	65	75
September	29.56	30.02	29.80	29.38	69.6	68.3	82.7	79.5	67.0	66.3	70.8	70.6	85.6	65.0	75.3	99	49	66	65	65	66	66	86	87	51	63	72
October	29.59	30.05	30.02	29.32	61.2	59.9	76.3	70.6	58.7	57.7	64.1	62.4	79.4	56.3	67.8	92	31	57	56	56	57	56	86	87	48	57	66
November	29.57	30.03	29.81	29.01	52.7	48.7	66.6	61.0	48.6	46.1	54.5	52.3	70.0	44.8	57.4	84	24	45	44	45	45	44	76	83	48	57	66
December	29.61	30.08	30.03	29.06	46.9	43.1	52.6	49.9	43.5	40.9	46.0	45.0	57.1	39.7	48.4	78	22	40	38	38	40	39	77	82	62	70	73
Year	29.64	30.11	30.10	29.02	31.5	31.0	36.4	34.6	30.0	29.6	33.7	32.5	39.8	26.0	32.9	73	3	28	27	30	29	28	85	85	75	80	81
Year	29.57	30.03	30.15	28.77	51.7	49.8	62.0	59.1	48.6	47.4	53.0	52.1	65.7	45.7	55.7	99	-15	46	45	46	47	46	81	84	58	65	72

FAIRBANKS, ALASKA
Airport [$\phi=64^{\circ}51' N.$; $\lambda=147^{\circ}43' W.$] City [$\phi=64^{\circ}51' N.$; $\lambda=147^{\circ}39' W.$]

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MONTHLY AND ANNUAL SUMMARIES

65

ESCANABA, MICH.

[H=612 ft.; H_b=618 ft.; H_t=51 ft.; H_r=44 ft.; H_a=72 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																		
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below		
January	In. 0.42	In. 0.20	In. 8.6	6.5	Mi. 11.6	sw.	Mi. 42	n.	3	6	11	14	8	4	18	8	0	2	0	0	0	16	0	0	31	7	0	0
February	.83	.54	11.3	8.1	11.6	n.	35	n.	1	2	8	18	8	5	24	8	0	2	0	0	0	21	0	0	28	3	0	0
March	3.52	.70	26.4	7.6	11.7	nw.	42	nw.	3	4	6	21	19	11	19	0	0	2	0	0	0	5	0	0	27	0	0	0
April	1.94	.83	5.2	5.1	11.2	s.	29	n.	0	10	9	11	8	8	4	2	1	4	3	3	3	1	0	0	15	0	2	0
May	2.94	.90	T	6.4	11.4	s.	29	nw.	0	5	11	15	17	11	1	0	0	9	3	2	2	0	0	0	1	0	5	0
June	2.69	.72	.0	6.1	8.6	s.	28	nw.	0	7	9	14	14	12	0	0	0	9	7	3	2	0	0	0	0	0	7	0
July	3.99	2.40	.0	5.7	9.2	s.	31	n.	0	9	13	9	12	11	0	0	0	9	2	2	1	0	0	0	0	0	8	0
August	1.61	1.23	.0	6.3	9.9	s.	27	nw.	0	8	9	14	6	5	0	0	15	6	4	2	0	0	0	0	0	0	2	0
September	5.04	1.63	.3	6.9	10.4	s.	30	nw.	0	4	8	18	17	10	4	1	10	0	0	0	0	0	0	0	4	0	5	0
October	3.09	1.77	.5	5.7	9.9	s.	36	s.	1	9	11	11	9	9	4	1	10	5	3	2	0	0	0	0	7	0	1	0
November	1.72	.60	2.6	6.8	11.9	nw.	38	nw.	4	6	8	16	11	5	10	4	0	6	3	2	5	0	0	0	22	0	0	0
December	2.60	.75	20.0	8.0	11.2	nw.	33	nw.	1	3	6	22	18	10	25	18	0	3	0	0	0	27	0	0	31	2	0	0
Year	30.39	2.40	74.9	6.6	10.7	s.	42	nw.	13	73	109	183	147	101	109	49	2	81	29	19	14	75	0	0	166	12	30	0

EUREKA, CALIF.

[H=43 ft.; H_b=60 ft.; H_t=72 ft.; H_r=65 ft.; H_a=88 ft.]

January	4.08	1.26	0.0	7.1	6.8	se.	37	sw.	1	6	5	20	15	15	0	0	0	6	4	5	3	0	0	0	2	0	1
February	6.22	2.11	.0	5.5	8.0	se.	28	n.	0	10	10	8	13	12	0	0	0	4	2	1	1	0	0	0	0	2	0
March	1.77	.67	T	6.0	8.3	n.	31	n.	0	10	8	13	8	8	1	0	1	2	1	0	0	0	0	0	0	0	0
April	4.05	.86	.0	7.6	9.8	n.	32	sw.	2	3	8	19	15	12	0	0	0	1	0	0	0	0	0	0	0	0	0
May	5.43	1.90	.0	7.4	7.9	n.	25	n.	0	3	7	21	13	13	0	0	0	2	0	0	0	0	0	0	0	0	0
June	.57	.31	.0	5.3	7.7	n.	25	n.	0	12	8	10	8	5	0	0	0	5	6	1	0	0	0	0	0	0	0
July	.07	.04	.0	6.7	6.9	n.	19	n.	0	4	11	16	5	0	0	0	12	9	2	2	0	0	0	0	0	0	0
August	.06	.02	.0	7.5	6.1	n.	17	sw.	0	3	8	20	5	0	0	0	15	11	3	3	0	0	0	0	0	0	0
September	.06	.06	.0	6.2	5.7	n.	30	n.	0	8	8	14	3	1	0	0	16	14	10	5	0	0	0	0	0	0	0
October	1.21	.45	.0	6.1	5.0	n.	24	n.	0	7	10	14	8	5	0	0	20	18	9	14	0	0	0	0	0	0	0
November	8.60	1.55	.0	7.0	6.5	se.	26	sw.	0	5	8	17	19	17	0	0	1	5	1	0	0	0	0	0	0	1	0
December	8.52	1.13	.0	8.1	7.3	se.	32	sw.	1	2	8	21	22	21	0	0	2	11	6	6	5	0	0	0	0	0	0
Year	40.64	2.11	T	6.7	7.2	n.	37	sw.	4	73	99	193	134	109	1	0	4	99	72	37	33	0	0	0	2	0	4

EVANSVILLE, IND.

[H=388 ft.; H_b=388 ft.; H_t=11 ft.; H_r=3 ft.; H_a=40 ft.]

January	2.68	0.98	5.1	5.4	9.1	sw.	34	w.	1	12	5	14	7	6	8	2	0	12	4	1	0	9	0	0	25	5	1
February	3.00	1.01	3.9	7.4	9.4	nw.	34	w.	1	4	7	17	10	7	13	4	0	5	2	1	0	6	0	0	22	0	2
March	5.06	1.55	T	7.0	10.4	nw.	36	sw.	2	4	10	17	12	11	6	3	0	18	3	2	0	0	0	0	11	0	6
April	3.91	3.00	.0	5.3	8.7	sw.	29	ne.	0	12	8	10	8	4	0	0	0	10	4	2	2	0	0	0	3	0	0
May	5.19	2.46	.0	6.3	8.3	s.	30	w.	0	7	12	12	8	8	0	0	0	9	2	2	2	0	0	0	0	0	1
June	3.23	1.62	.0	6.5	6.4	n.	36	s.	1	4	12	14	11	8	0	0	0	15	3	2	2	0	8	0	0	0	13
July	1.54	.94	.0	5.4	6.5	sw.	30	sw.	0	10	14	7	8	5	0	0	0	2	0	0	0	0	14	2	0	0	10
August	2.69	1.96	.0	5.6	6.1	n.	19	sw.	0	9	12	10	9	7	0	0	0	14	4	3	2	0	5	2	0	0	3
September	1.63	.90	.0	5.0	7.2	s.	27	nw.	0	11	10	9	7	5	0	0	0	10	2	1	1	0	2	0	2	0	3
October	1.45	.63	T	5.4	7.1	s.	33	s.	1	9	12	10	6	6	1	0	0	11	4	4	3	0	0	0	4	0	1
November	6.07	1.80	.0	6.8	9.7	s.	35	sw.	1	8	6	16	15	15	0	0	0	18	6	3	2	0	0	0	11	0	2
December	2.80	.76	6.5	7.6	8.4	nw.	31	w.	0	4	7	20	13	11	10	4	0	23	10	7	7	8	0	0	25	0	0
Year	39.25	3.00	15.5	6.1	8.1	sw.	36	s.	7	94	115	156	114	93	38	13	0	147	44	28	21	23	29	4	103	5	48

FAIRBANKS, ALASKA

Airport [H=448 ft.; H_b=464 ft.; H_t=4 ft.; H_r=3 ft.; H_a=82 ft.] City [H=454 ft.; H_b=454 ft.; H_t=11 ft.; H_r=72 ft.; H_a=87 ft.]

January	0.26	0.11	5.3	6.5	3.1	n.	14	ne.	0	6	9	16	6	3	12	6	0	17	8	5	4	30	0	0	31	23	0
February	.26	.14	3.8	7.6	4.4	e.	24	e.	0	4	5	19	6	3	10	6	0	5	0	0	0	22	0	0	28	15	0
March	.29	.12	4.2	6.1	4.6	e.	19	e.	0	8	8	15	6	2	12	6	0	6	0	0	0	26	0	0	31	25	0
April	.07	.03	.5	6.5	5.7	e.	20	e.	0	5	11	14	4	0	6	3	0	0	1	1	1	0	1	0	28	1	0
May	.48	.36	T	6.7	5.8	sw.	21	w.	0	5	10	16	6	4	1	0	0	1	3	1	1	0	0	0	7	0	1
June	2.75	1.16	.0	7.1	6.3	w.	27	sw.	0	3	11	16	12	8	0	0	0	2	1	0	0	0	1	0	0	0	3
July	1.65	.49	.0	7.6	5.8	w.	26	s.	0	1	11	19	16	10	0	0	0	5	0	0	0	0	0	0	0	1	0
August	3.49	.70	.0	8.3	6.1	sw.	22	sw.	0	0	8	23	19	15	0	0	0	6	0	0	0	0	0	0	0	1	0
September	2.85	.57	T	7.7	4.8	e.	19	w.	0	5	3	22	14	10	1	0	0	5	0	0	0	0	0	0	5	0	0
October	.91	.29	9.1	8.4	4.8	n.	21	e.	0	4	3	24	12	7	15	10	0	14	6	5	3	11	0	0	28	0	0
November	1.14	.82	11.5	5.4	3.3	n.	25	w.	0	13	3	14	7	5	15	7	0	5	3	1	0	30	0	0	30	25	0
December	.07	.03	1.7	5.9	2.4	n.	12	ne.	0	11	4	16	4	0	15	4	0	13	8	6	5	31	0	0	31	31	0
Year	14.22	1.16	36.1	7.0	4.8	n.	27	sw.	0	65	86	214	112	67	87	42	1	81	28	19	13	151	1	0	219	120	6

FARGO, N. DAK.
Airport [$\phi=46^{\circ}54' N.$; $\lambda=96^{\circ}48' W.$]

Month	Pressure				Temperature (° F.)															Moisture							
	Mean		Estremes		Mean															Mean							
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Extremes		Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.				Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
			In. (1)	In.	In. (1)	In. (1)	"	°	°	"	°	°				°	°	°	°	°	°	°	°	°	°	°	°
January	29.01	30.08	29.52	28.58	13.9	11.3	21.6	20.4	12.8	10.7	18.9	18.2	27.4	8.6	18.0	52	-22	10	9	13	14	11	83	88	69	76	79
February	29.11	30.18	29.33	28.58	11.9	8.2	17.8	17.9	11.4	7.8	16.2	16.6	23.3	3.6	13.4	38	-18	10	6	12	13	10	91	92	75	80	85
March	28.82	29.86	29.38	28.36	30.8	27.5	37.0	37.5	28.9	26.5	32.8	33.5	42.2	25.4	33.8	61	17	26	25	26	28	26	82	88	67	68	76
April	28.93	29.96	29.45	28.27	42.3	38.6	54.5	55.2	38.7	36.1	46.3	46.2	59.8	35.7	47.8	85	6	35	33	38	38	36	76	81	57	56	68
May	28.93	29.95	29.33	28.34	47.7	45.5	58.3	58.6	44.8	43.2	49.7	50.5	62.4	41.6	52.0	85	30	42	41	42	43	42	81	84	58	60	71
June	28.89	29.90	29.16	28.52	58.0	56.8	68.0	68.6	55.7	54.2	60.4	61.0	72.0	53.3	62.6	84	37	54	52	55	56	54	86	85	65	66	76
July	28.94	29.94	29.30	28.60	62.8	60.5	76.0	77.0	59.6	58.2	63.9	65.4	81.1	56.4	68.8	94	43	58	57	56	59	57	84	88	53	55	70
August	28.90	29.90	29.28	28.60	62.6	59.6	75.8	75.0	59.7	57.7	64.8	64.9	79.9	56.9	68.4	94	38	58	56	58	59	58	85	89	57	60	73
September	28.98	30.00	29.35	28.57	50.0	46.1	60.5	59.6	47.8	44.8	52.7	52.8	65.1	43.2	54.2	85	20	46	44	46	48	46	86	90	61	66	76
October	28.93	29.96	29.37	28.39	42.2	38.1	54.8	50.6	39.1	36.0	46.2	44.2	59.0	35.3	47.2	83	15	35	33	38	38	36	78	83	55	64	70
November	28.93	29.98	29.54	28.06	25.4	22.2	32.6	29.8	23.4	20.7	28.4	26.9	38.1	16.9	27.5	61	-8	20	18	21	22	20	78	82	62	72	74
December	29.05	30.14	29.67	28.43	7.6	5.9	10.9	9.6	7.1	5.5	10.0	8.9	17.8	-2.5	7.6	33	-25	5	4	7	6	6	89	91	82	86	87
Year	28.95	29.99	29.67	28.06	37.9	35.0	47.3	46.6	35.8	33.4	40.9	40.8	52.3	31.2	41.8	94	-25	33	32	34	35	34	83	87	63	67	75

FORT SMITH, ARK.

[$\phi=35^{\circ}22' N.$; $\lambda=94^{\circ}24' W.$]

January	29.69	30.20	30.17	28.96	35.3	30.4	41.1	41.9	31.5	28.3	36.0	35.2	47.8	27.1	37.4	73	3	25	24	28	26	26	66	77	61	54	65
February	29.54	30.03	29.96	28.92	39.1	36.2	44.7	46.7	35.4	33.6	39.8	39.8	50.3	33.0	41.6	73	15	30	29	33	31	31	68	76	65	54	66
March	29.41	29.90	29.94	28.94	50.2	45.0	51.9	58.7	43.7	41.9	48.2	47.3	63.8	41.2	52.5	80	31	36	38	37	34	36	60	76	50	43	57
April	29.48	29.96	29.80	29.16	60.9	57.1	69.6	70.3	54.9	53.0	59.1	58.5	74.9	54.8	64.8	87	35	50	49	52	49	50	68	75	57	51	63
May	29.46	29.93	29.76	29.10	65.8	62.8	73.9	75.3	60.0	59.0	63.8	63.4	78.6	59.0	68.8	94	45	56	56	58	56	56	72	80	59	53	66
June	29.40	29.87	29.70	29.13	74.5	72.1	81.9	83.3	70.0	68.1	71.3	72.0	87.6	69.4	78.5	97	54	68	66	66	67	67	80	82	61	59	70
July	29.54	30.00	29.69	29.38	78.1	74.5	87.6	89.3	71.9	70.2	74.1	73.8	92.1	72.8	82.4	100	64	69	68	68	67	68	74	81	53	48	64
August	29.49	29.96	29.66	29.38	76.1	72.4	84.9	85.6	71.2	69.1	73.7	73.5	89.6	71.3	80.4	99	65	69	68	69	68	68	79	85	60	58	71
September	29.53	30.00	29.93	29.31	68.3	64.1	76.8	76.6	64.2	61.6	65.9	66.2	82.3	62.7	72.5	93	38	62	60	59	60	60	79	86	56	58	70
October	29.52	30.00	29.80	29.02	59.5	55.2	69.6	67.7	54.5	51.8	57.9	57.8	73.9	53.2	63.6	84	32	50	49	49	50	49	72	79	50	56	64
November	29.55	30.03	30.04	28.98	51.7	48.1	59.0	57.8	47.3	44.8	50.8	50.3	63.7	45.5	54.6	82	26	42	41	43	42	42	72	77	58	60	67
December	29.58	30.07	30.00	29.07	40.9	38.8	45.2	45.5	37.8	36.3	40.6	40.7	49.6	36.1	42.8	68	29	34	33	35	35	34	76	78	68	67	72
Year	29.52	30.00	30.17	28.92	58.4	54.7	65.5	66.6	53.5	51.5	56.8	56.5	71.2	52.2	61.7	100	3	49	48	50	49	49	72	79	58	55	66

FORT WAYNE, IND.

Airport [$\phi=41^{\circ}10' N.$; $\lambda=85^{\circ}08' W.$]

January	(1) 29.12	30.07	(1) 29.56	(1) 28.25	23.5	22.5	29.5	27.1	22.3	21.6	27.2	25.5	32.3	18.5	25.4	52	-10	20	20	23	22	21	84	88	75	80	82
February	29.10	30.06	29.48	28.41	21.1	18.5	27.5	25.2	20.5	18.0	25.4	24.0	29.7	15.9	22.8	42	-1	19	17	21	21	20	90	92	75	84	85
March	28.92	29.86	29.28	28.02	35.0	33.1	42.6	39.8	33.5	32.0	38.3	36.9	46.8	30.8	38.8	69	21	31	30	33	33	32	86	89	69	79	81
April	29.15	30.08	29.41	28.75	46.6	45.4	61.2	58.3	43.4	42.5	50.9	49.9	65.1	40.6	52.8	88	28	40	40	42	42	41	79	81	53	58	68
May	29.07	29.98	29.40	28.67	55.6	55.0	67.5	66.0	52.0	51.9	58.0	57.6	71.7	50.0	60.8	93	34	49	49	51	52	50	80	82	59	62	71
June	29.05	29.96	29.32	28.71	64.1	65.2	77.1	74.0	61.3	61.8	66.9	65.9	80.2	59.8	70.0	92	47	60	60	61	61	60	86	83	60	66	74
July	29.10	30.00	29.26	28.88	67.3	67.4	81.5	79.2	64.1	64.3	69.5	69.2	84.4	62.5	73.4	95	51	62	63	63	64	63	84	85	55	61	71
August	29.13	30.04	29.42	28.89	64.2	63.3	76.6	73.2	62.5	61.6	67.4	66.8	79.7	60.4	70.0	85	45	62	60	62	63	62	91	91	63	72	79
September	29.13	30.05	29.58	28.80	56.0	54.8	69.6	62.9	54.5	53.5	61.0	58.5	72.5	51.2	61.8	88	30	53	52	55	56	54	91	91	61	77	80
October	29.09	30.02	29.42	28.45	48.3	45.1	61.1	54.0	45.8	43.6	52.0	49.2	63.2	42.7	53.0	81	21	43	42	45	45	44	82	89	57	72	75
November	29.11	30.05	29.55	28.50	40.4	36.8	45.8	42.8	38.1	35.1	41.3	39.9	50.5	32.8	41.6	71	19	35	33	35	36	35	82	86	68	78	78
December	29.13	30.09	29.69	28.45	21.7	20.8	27.6	25.1	21.0	20.3	26.2	24.1	29.9	16.7	23.3	54	-5	19	19	23	22	21	89	92	83	86	87
Year	29.09	30.02	29.69	28.02	45.3	44.0	55.6	52.3	43.2	42.2	48.7	47.3	58.8	40.2	49.5	95	-10	41	40	43	43	42	85	87	65	73	78

FORT WORTH, TEX.

Airport [$\phi=32^{\circ}49' N.$; $\lambda=97^{\circ}21' W.$]

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MONTHLY AND ANNUAL SUMMARIES

67

FARGO, N. DAK.

Airport [$H=913$ ft.; $H_b=899$ ft.; $H_t=5$ ft.; $H_r=4$ ft.; $H_a=43$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																			
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below			
January	<i>In.</i> 0.07	<i>In.</i> 0.03	<i>In.</i> 0.8	<i>Mi.</i> 6.1	<i>Mi.</i> 8.9	nw.	33	nw.	1	8	9	14	4	0	13	4	0	9	1	0	0	15	0	0	31	10	0	0	
February	.22	.07	3.3	7.2	10.2	n.	35	nw.	1	3	11	14	8	2	20	8	0	8	2	1	1	24	0	0	28	8	0	0	
March	1.88	.98	3.6	7.5	13.1	nw.	35	nw.	2	5	8	18	11	8	18	9	0	11	2	1	2	0	0	28	0	0	0	0	
April	4.24	1.79	4.9	6.5	14.7	s.	45	n.	7	4	14	12	6	5	4	2	1	4	1	1	1	2	0	0	13	0	4	0	
May	2.19	.80	T	7.2	13.5	n.	41	n.	4	8	4	19	12	8	2	0	0	6	3	2	1	0	0	0	3	0	7	0	
June	2.32	1.10	.0	6.9	12.5	se.	34	w.	1	4	12	14	8	6	0	0	9	2	1	0	0	0	0	0	0	5	0	5	
July	.87	.31	.0	5.2	9.5	w.	34	ne.	1	8	14	9	12	6	0	0	0	5	2	2	0	1	0	0	0	7	0	7	
August	6.71	3.55	.0	5.8	12.2	nw.	49	w.	5	7	13	11	12	11	0	0	0	13	0	0	1	0	1	0	0	0	10	0	10
September	1.27	.27	.6	5.8	11.9	s.	46	nw.	2	9	9	12	11	8	5	1	1	12	3	1	1	0	0	0	7	0	3	0	
October	.81	.34	2.2	4.9	11.3	nw.	41	nw.	2	12	9	10	7	6	9	2	0	10	1	3	1	2	0	0	12	0	0	0	
November	.28	.10	2.7	6.1	12.7	nw.	39	se.	3	6	13	11	5	3	10	4	0	4	0	1	1	7	0	0	29	4	0	0	
December	.65	.17	9.2	7.5	11.2	nw.	32	se.	1	4	7	20	15	5	27	14	0	13	2	1	1	29	0	0	31	18	0	0	
Year	21.51	3.55	27.3	6.4	11.8	nw.	49	w.	30	78	123	164	111	68	108	44	2	104	19	15	11	81	2	0	182	40	36	0	

FORT SMITH, ARK.

[$H=449$ ft.; $H_b=463$ ft.; $H_t=54$ ft.; $H_r=47$ ft.; $H_a=82$ ft.]

January	2.19	1.75	4.4	4.0	7.7	e.	27	se.	0	15	10	6	7	5	6	3	0	6	0	1	0	8	0	0	18	0	4
February	2.27	.67	.9	6.0	9.3	e.	37	w.	1	8	8	12	9	8	2	2	2	6	0	0	1	0	0	13	0	6	
March	1.53	.51	T	4.0	8.9	nw.	34	nw.	1	15	9	7	5	4	2	0	1	8	1	0	0	0	0	2	0	2	
April	7.96	2.97	.0	5.8	8.9	e.	29	s.	0	8	11	11	11	9	0	0	0	3	0	0	0	0	0	0	0	5	
May	5.01	1.81	.0	5.4	7.6	e.	29	se.	0	8	15	8	9	8	0	0	1	6	0	0	0	0	4	0	0	8	
June	4.85	1.48	.0	5.4	6.9	e.	47	nw.	2	10	10	10	13	11	0	0	0	0	0	0	0	14	3	0	0	15	
July	1.79	.94	.0	3.5	5.8	e.	27	n.	1	18	10	3	4	4	0	0	0	3	0	0	0	20	11	0	0	4	
August	3.46	1.23	.0	5.5	6.4	e.	47	n.	1	8	15	8	9	7	0	0	0	5	0	0	0	18	3	0	0	5	
September	4.13	1.61	.0	4.6	6.1	e.	25	nw.	0	13	6	11	9	8	0	0	0	4	0	0	1	0	8	0	0	2	
October	5.18	2.63	.0	5.0	5.6	e.	21	w.	0	14	5	12	9	9	0	0	0	10	3	0	1	0	0	0	0	3	
November	3.88	2.53	.0	5.4	8.9	e.	30	s.	0	11	6	13	10	8	0	0	0	6	1	0	0	0	0	3	0	3	
December	5.06	3.75	.8	6.9	8.0	e.	26	nw.	0	6	8	17	13	9	3	1	0	9	0	0	1	0	0	7	0	1	
Year	47.31	3.75	6.1	5.1	7.5	e.	47	nw.	5	134	113	118	108	90	13	6	4	66	5	1	3	9	64	17	43	0	58

FORT WAYNE, IND.

[$H=825$ ft.; $H_b=828$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=32$ ft.]

January	1.91	1.23	1.1	6.8	10.7	sw.	35	sw.	4	7	6	18	7	5	14	3	0	13	7	5	3	11	0	0	30	6	0	0
February	3.31	1.28	5.6	7.4	9.2	nw.	26	nw.	0	6	4	18	11	7	17	8	0	13	5	3	1	17	0	0	26	1	0	0
March	2.59	1.19	4.1	7.6	11.2	w.	43	nw.	3	5	4	22	15	9	13	8	0	16	1	0	0	1	0	0	19	0	1	0
April	2.49	.98	T	5.0	8.8	sw.	28	nw.	0	9	13	8	8	6	3	0	0	8	0	0	0	0	0	0	6	0	2	0
May	2.73	.63	.0	7.2	9.3	sw.	31	s.	0	3	10	18	13	9	0	0	1	14	0	0	0	2	0	0	0	0	8	0
June	6.12	2.51	.0	6.8	6.6	e.	33	n.	2	1	16	13	10	6	0	0	1	17	1	0	0	0	1	0	0	0	12	0
July	7.42	2.49	.0	4.6	7.0	sw.	43	w.	2	12	13	6	11	10	0	0	1	14	1	1	0	0	4	1	0	0	9	0
August	3.86	1.79	.0	6.1	5.7	sw.	26	nw.	0	9	5	17	7	7	0	0	0	21	5	4	2	0	0	0	0	6	0	6
September	3.81	1.73	T	5.7	7.0	sw.	26	nw.	0	9	8	13	13	11	3	0	0	25	2	1	0	0	0	0	3	0	3	0
October	1.93	1.01	.0	6.0	7.6	w.	28	s.	0	10	8	13	11	9	0	0	0	16	2	2	2	0	0	0	6	0	2	0
November	4.35	1.53	6.2	7.3	10.4	sw.	32	nw.	1	5	7	18	12	9	8	3	0	14	5	4	3	1	0	0	15	0	3	0
December	2.01	.82	7.9	8.0	9.5	w.	36	w.	2	4	5	22	13	10	21	9	0	24	6	5	3	17	0	0	27	3	1	0
Year	42.53	2.51	24.9	6.5	8.6	sw.	43	nw.	14	80	99	186	131	98	79	31	3	195	35	25	14	47	7	1	132	10	47	0

FORT WORTH, TEX.

[$H=688$ ft.; $H_b=706$ ft.; $H_t=5$ ft.; $H_r=33$ ft.; $H_a=56$ ft.]

January	0.39	0.21	1.3	5.0	11.0	nw.	43	nw.	7	11	12	8	4	2	3	1	0	2	0	0	0	6	0	0	13	0	1
February	.64	.34	T	6.1	13.2	se.	38	nw.	7	6	12	10	6	4	1	0	0	4	1	1	0	0	0	8	0	2	
March	1.37	.91	6.0	4.8	15.2	s.	41	sw.	10	15	5	11	5	5	3	2	0	2	1	0	0	0	0	1	0	0	
April	16.97	5.08	.0	6.8	13.8	se.	42	w.	8	6	8	16	17	14	0	0	2	7	1	0	0	0	0	0	0	11	
May	2.85	2.11	.0	6.2	13.3	s.	44	s.	5	5	14	12	8	5	0	0	0	3	0	0	0	8	0	0	0	8	
June	3.23	1.97	.0	5.7	11.1	s.	32	n.	1	6	13	11	7	6	0	0	1	1	0	0	0	0	20	13	0	5	
July	.62	.50	.0	4.4	10.9	s.	27	s.	0	14	10	7	2	2	0	0	0	0	0	0	0	29	19	0	0	1	
August	4.69	2.01	.0	5.7	10.3	s.	31	nw.	0	3	21	7	9	7	0	0	0	0	0	0	0	22	15	0	0	7	
September	3.82	3.23	.0	4.8	9.0	s.	38	n.	2	12	12	6	6	4	0	0	0	1	0	0	0	12	0	0	0	2	
October	6.18	3.49	.0	5.5	9.2	se.	50	w.	2	9	10	12	8	6	0	0	0	3	0	0	0	0	0	0	0	6	
November	.92	.56	.0	4.4	13.6	s.	37	nw.	4	14	10	6	4	3	0	0	0	3	0	1	2	0	0	2	0	2	
December	1.59	.63	T	5.1	11.0	s.	38	nw.	1	14	3	14	6	5	4	0	0	7	2	2	2	0	0	0	6	0	1
Year	43.27	5.08	7.3	5.4	11.8	s.	50	w.	41	115	130	120	82	63	11	3	3	33	5	4	4	6	91	47	30	0	46

FRESNO, CALIF.
Airport [$\phi=36^{\circ}43' N.$; $\lambda=119^{\circ}49' W.$]

Month	Pressure				Temperature (° F.)															Moisture								
	Mean		Extremes		Mean															Mean								
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Extremes		Dew point					Relative humidity					
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.				Maximum	Minimum	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
			In. (1)	In.	In. (1)	In. (1)	°	°	°	°	°	°				°	°	°	°	°	°	°	°	°	°	°	°	°
January	29.80	30.18	30.04	29.41	45.4	42.6	48.2	54.2	43.9	41.6	45.6	48.5	55.4	39.2	47.3	69	28	42	41	43	43	42	90	93	83	68	83	
February	29.67	30.03	29.89	29.23	46.5	40.9	50.6	57.5	43.7	39.8	46.2	48.6	59.8	38.2	49.0	67	28	40	39	42	39	40	80	92	72	52	74	
March	29.68	30.04	29.96	29.02	50.7	43.9	58.8	65.6	46.5	41.9	49.8	51.9	67.9	41.0	54.4	84	34	42	40	41	38	40	73	86	54	40	63	
April	29.60	29.96	29.87	29.36	56.7	50.4	63.4	69.3	52.3	48.0	54.2	55.6	71.5	48.0	59.8	84	36	48	46	46	44	46	75	85	55	42	64	
May	29.62	29.97	29.82	29.38	61.1	53.0	69.1	78.3	53.4	49.1	55.9	57.9	79.8	50.9	65.4	102	41	47	46	45	40	45	60	77	43	28	52	
June	29.52	29.86	29.69	29.36	70.9	60.4	80.1	91.7	57.5	52.8	61.0	63.5	92.5	59.0	75.8	110	50	47	46	47	42	46	44	61	32	19	39	
July	29.53	29.87	29.68	29.31	79.0	68.3	86.9	99.6	63.5	58.8	66.2	68.8	100.8	65.9	83.4	111	60	53	52	53	49	52	42	58	32	19	38	
August	29.49	29.82	29.67	29.35	75.9	66.0	84.4	97.0	62.7	57.7	65.4	66.9	97.8	63.0	80.4	107	54	54	52	54	47	52	48	61	36	19	41	
September	29.52	29.87	29.73	29.27	68.1	59.2	77.1	87.0	58.0	54.0	61.6	63.3	88.5	56.2	72.4	101	53	51	50	51	46	50	55	72	41	26	48	
October	29.64	29.99	29.98	29.26	61.3	53.9	71.3	78.6	53.4	50.0	58.0	59.3	80.2	50.6	65.4	93	39	47	46	48	44	46	60	77	45	31	53	
November	29.73	30.09	30.07	29.50	49.8	45.3	56.7	62.2	47.3	43.8	51.4	54.0	64.2	40.9	52.6	77	32	45	42	47	47	45	84	90	71	60	76	
December	29.79	30.16	30.01	29.44	44.2	41.7	47.4	51.1	43.3	41.1	45.0	47.1	53.1	38.7	45.9	64	30	42	40	43	43	42	93	96	84	76	87	
Year	29.63	29.99	30.07	29.02	59.1	52.1	66.2	74.3	52.1	48.2	55.0	57.1	76.0	49.3	62.6	111	28	46	45	47	44	46	67	79	54	40	60	

GALVESTON, TEX.
Airport [$\phi=29^{\circ}16' N.$; $\lambda=94^{\circ}52' W.$] City [$\phi=29^{\circ}18' N.$; $\lambda=94^{\circ}50' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)			(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)		
January	30.15	30.21	30.62	29.64	48.9	46.6	55.3	51.3	46.5	44.5	49.2	47.6	57.4	45.8	51.6	74	28	44	42	43	44	43	83	84	65	77	7
February	29.96	30.02	30.28	29.48	52.9	51.9	56.8	54.7	49.9	49.6	51.7	50.5	58.6	49.5	54.0	73	36	47	47	47	46	47	81	84	71	75	78
March	29.90	29.96	30.30	29.51	56.2	54.8	62.0	60.9	53.3	52.1	56.4	56.4	64.5	53.5	59.0	76	40	50	49	51	52	51	83	83	71	76	86
April	29.93	29.99	30.32	29.49	65.3	64.8	70.8	68.1	63.6	63.2	66.0	65.1	70.7	63.7	67.2	76	52	62	62	63	63	63	91	92	78	85	86
May	29.91	29.96	30.09	29.63	73.1	72.2	79.1	76.5	69.9	69.2	71.9	71.0	79.1	71.1	75.1	84	61	68	68	68	68	86	86	70	77	80	
June	29.83	29.88	30.05	29.51	79.6	79.3	85.0	82.7	75.9	75.9	77.5	76.7	86.2	77.6	81.9	89	68	74	75	75	74	74	84	86	72	77	80
July	29.99	30.04	30.16	29.84	80.4	79.7	85.2	83.5	76.5	76.7	78.2	77.3	87.1	77.6	82.4	92	67	75	76	76	75	75	84	87	74	76	80
August	29.90	29.95	30.05	29.44	82.2	80.7	87.4	84.5	77.0	76.3	78.6	77.5	87.8	79.9	83.8	91	73	75	75	76	75	75	79	82	68	73	76
September	29.93	29.99	30.23	29.65	76.8	74.7	82.0	79.1	71.9	71.2	73.5	72.7	82.9	73.5	78.2	88	52	69	70	69	70	70	78	84	67	73	76
October	29.93	29.99	30.18	29.62	72.0	69.8	79.0	74.5	68.2	66.8	69.8	68.8	79.1	69.5	74.3	84	60	66	65	65	66	66	83	86	64	75	77
November	30.01	30.06	30.44	29.59	65.4	63.6	71.3	67.4	61.6	60.8	63.8	62.6	72.7	61.8	67.2	80	44	59	59	59	59	59	80	85	66	76	77
December	30.02	30.08	30.38	29.58	56.6	54.9	61.7	58.9	54.4	53.1	57.1	55.8	64.3	52.5	58.4	77	37	52	52	54	53	53	87	88	75	82	83
Year	29.95	30.01	30.62	29.44	67.4	66.1	73.0	70.2	64.1	63.3	66.1	65.2	74.2	64.7	69.4	92	28	62	62	62	62	62	83	86	70	77	79

GRAND JUNCTION, COLO.
[$\phi=39^{\circ}04' N.$; $\lambda=108^{\circ}34' W.$]

January	25.55	30.24	25.91	25.06	25.4	21.5	31.7	35.9	22.9	19.8	26.4	29.3	38.9	18.0	28.4	54	-8	19	17	19	18	73	81	53	50	64	
February	25.31	30.00	25.65	24.94	26.3	23.0	31.2	35.1	23.6	20.7	25.9	28.5	37.9	19.2	28.6	54	-5	19	16	16	17	17	71	74	53	46	61
March	25.34	29.94	25.69	24.88	36.1	32.1	42.2	48.1	30.7	27.9	33.3	36.3	49.9	28.5	39.2	65	20	22	21	20	20	21	57	62	41	33	48
April	25.25	29.80	25.51	24.92	50.5	46.4	58.7	62.0	42.2	39.8	45.5	46.7	65.5	43.0	54.2	78	33	34	32	32	31	32	55	61	40	37	48
May	25.28	29.82	25.65	24.90	57.0	48.9	66.8	71.2	44.1	40.1	47.4	49.1	74.0	46.9	60.4	90	34	31	30	28	27	29	40	52	25	22	35
June	25.28	29.78	25.67	25.03	67.0	59.0	79.1	84.5	49.7	46.3	44.4	55.0	86.6	57.5	72.0	95	46	33	34	33	28	32	29	40	20	14	26
July	25.44	29.94	25.66	25.28	74.1	66.3	85.3	89.2	57.0	53.9	60.7	60.6	93.7	65.1	79.4	101	59	45	45	45	40	44	38	48	26	21	33
August	25.38	29.89	25.54	25.13	71.7	64.7	82.4	87.2	56.4	53.3	59.6	60.2	90.7	63.1	76.9	99	57	46	44	44	41	44	50	28	22	35	35
September	25.39	29.93	25.71	25.00	60.1	54.8	73.0	79.2	48.6	45.4	52.8	54.6	81.7	52.5	67.1	92	38	39	36	36	34	36	47	52	27	22	37
October	25.40	29.97	25.71	24.94	50.1	45.2	60.9	63.2	49.2	39.3	47.5	48.7	68.1	42.1	55.1	82	27	36	33	35	36	35	60	64	40	40	51
November	25.41	30.02	25.90	24.78	38.4	34.4	46.8	49.6	32.2	30.1	37.3	38.4	54.9	29.9	42.4	70	20	24	24	26	24	24	55	65	44	38	50
December	25.54	30.09	25.78	24.90	30.6	26.0	38.9	41.5	26.3	23.7	31.8	33.2	46.6	22.8	34.7	54	16	19	20	22	22	21	59	75	48	44	57
Year	25.37	29.95	25.91	24.78	48.9	43.5	58.1	62.2	39.7	36.7	42.7	45.0	65.7	40.7	53.2	101	-8	31	29	30	28	29	52	60	37	32	45

GRAND RAPIDS, MICH.
Airport [$\phi=42^{\circ}54' N.$; $\lambda=85^{\circ}40' W.$] City [$\phi=42^{\circ}58' N.$; $\lambda=85^{\circ}40' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)						(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	29.22	30.01	29.68	28.16	22.5	21.1	26.8	24.2	21.3	20.5	25.1	22.8	30.8	20.5	25.6	47	-6	19	18	22	20	20	86	90	82	85	86
February	29.26	30.06	29.62	28.68	17.9	16.2	25.2	22.3	17.2	15.4	23.1	20.9	28.7	17.1	22.9	40	2	16	13	18	18	16	90	87	74	81	83
March	29.05	29.83	29.43	28.20	32.8	31.4	39.7	37.3	31.1	30.0	35.4	34.3	44.3	31.6	38.0	57	26	29	28	30	30	29	84	86	67	75	78
April	29.29	30.06	29.61	28.77	43.8	41.8	60.3	56.4	40.8	39.0	50.4	48.7	64.7	42.6	53.6	88	29	38	36	42	42	39	78	79	52	59	67
May	29.19	29.95	29.55	28.74	53.9	52.7	63.5	62.6	51.4	50.2	56.3	56.3	69.1	50.5	59.8	90	39	49	48	51	52	50	85	85	67	69	76
June	29.20	29.96	29.51	28.80	61.3	62.4	74.4	71.7	59.4	59.7	65.6	64.5	79.0	59.9	69.4	94	43	58	58	61	60	59	88	85	64	69	76
July	29.22	29.97	29.40	29.03	65.0	65.7	79.1	77.3	62.2	63.0	68.0	67.4	82.5	63.5	73.0	95	53	61	61	62	62	62	85	86	58	60	72
August	29.26	30.01	29.57	28.98	63.5	63.0	76.7	73.3	61.4	60.8	67.0	66.4	79.9	63.0	71.0	91	48	60	59	62	63	61	90	88	61	70	77
September	29.25	30.01	29.68	28.82	55.5	55.1	67.1	61.9	53.5	53.3	59.4	57.7	70.4	53.6	62.0	88	34	52	52	54	55	53	89	89	65	78	80
October	29.21	29.98	29.64	28.54	46.0	43.8	58.0	51.9	44.2	42.0	51.2	48.3	60.8	44.4	52.6	77	31	42	40	46	45	43	88	87	66	78	80
November	29.23	30.01	29.71	28.55	37.2	34.7	43.4	39.5	34.9	33.0	38.9	37.2	48.8	33.2	41.0	68	20	32	31	34	34	33	82	85	69	81	79
December	29.24	30.06	29.85	28.49	24.1	23.3	27.5	25.6	22.8	22.2	25.7	24.2	30.5	22.4	26.4	50	7	20	20	22	21	21	84	86	79	82	82
Year	29.22	29.99	29.85	28.16	43.6	42.6	53.5	50.3	41.7	40.8	47.2	45.7	57.5	41.8	49.6	95	-6	40	39	42	42	40	86	86	67	74	78

MONTHLY AND ANNUAL SUMMARIES

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FRESNO, CALIF.
 Airport [H=277 ft.; H_b=282 ft.; H_i=5 ft.; H_r=4 ft.; H_a=34 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature		Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below
January	<i>In.</i> 1.34	<i>In.</i> .87	<i>In.</i> 0.0	8.3	<i>Mi.</i> 4.1	<i>se.</i>	20	<i>nw.</i>	0	2	5	24	8	5	0	0	0	15	12	12	8	0	0	0	5	0	1
February	.67	.24	.0	5.6	4.5	<i>se.</i>	24	<i>nw.</i>	0	9	7	12	7	5	0	0	0	7	6	5	5	0	0	0	3	0	0
March	1.09	.57	.0	4.3	5.8	<i>nw.</i>	30	<i>nw.</i>	0	16	8	7	4	3	0	0	0	1	3	2	1	0	0	0	0	0	0
April	1.32	.50	.0	6.5	6.8	<i>nw.</i>	27	<i>nw.</i>	0	6	8	16	10	8	0	0	0	3	2	1	0	0	0	0	0	0	2
May	.27	.16	.0	3.5	8.9	<i>nw.</i>	27	<i>nw.</i>	0	17	9	5	4	3	0	0	0	0	0	0	0	0	0	3	2	0	0
June	.00	.00	.0	.6	9.4	<i>nw.</i>	24	<i>nw.</i>	0	28	1	1	0	0	0	0	0	0	0	0	0	0	22	7	0	0	
July	T	T	.0	.7	7.7	<i>nw.</i>	20	<i>nw.</i>	0	29	2	0	0	0	0	0	0	0	0	0	0	0	30	2	0	0	
August	T	T	.0	.9	6.3	<i>nw.</i>	17	<i>nw.</i>	0	27	3	1	0	0	0	0	0	0	0	0	0	0	26	23	0	0	
September	.00	.00	.0	.8	6.1	<i>nw.</i>	18	<i>nw.</i>	0	28	1	1	0	0	0	0	0	0	0	0	0	0	12	5	0	0	
October	T	T	.0	2.5	4.7	<i>nw.</i>	19	<i>nw.</i>	0	21	7	3	0	0	0	0	0	0	0	0	0	0	3	0	0	0	
November	.84	.29	.0	6.1	4.0	<i>nw.</i>	26	<i>nw.</i>	0	8	7	15	4	4	0	0	0	13	7	8	7	0	0	0	0	0	
December	1.44	.75	.0	7.5	4.0	<i>nw.</i>	31	<i>nw.</i>	0	4	8	19	9	4	0	0	0	24	17	18	18	0	0	0	4	0	
Year	6.97	.87	.0	3.9	6.0	<i>nw.</i>	31	<i>nw.</i>	0	195	66	104	46	32	0	0	1	65	46	46	39	0	96	64	12	0	4

GALVESTON, TEX.
 Airport [H=5 ft.; H_b=9 ft.; H_i=4 ft.; H_r=3 ft.; H_a=46 ft.; City [H=6 ft.; H_b=54 ft.; H_i=106 ft.; H_r=98 ft.; H_a=114 ft.]

January	0.77	0.47	0.0	5.2	10.2	n.	30	se.	0	10	10	11	7	4	0	0	0	2	1	1	1	0	0	0	2	0	2
February	7.05	3.64	.0	8.2	11.7	n.	31	nw.	0	4	3	21	12	9	0	0	0	4	3	2	2	0	0	0	0	0	3
March	3.19	1.50	.0	6.2	12.2	s.	36	nw.	3	9	7	15	6	5	0	0	0	8	6	6	6	0	0	0	0	0	1
April	2.44	1.71	.0	6.7	13.1	se.	42	se.	7	5	9	16	6	4	0	0	0	2	2	1	0	0	0	0	0	0	6
May	.35	.13	.0	5.2	11.8	se.	25	e.	0	8	17	6	4	3	0	0	0	0	0	0	0	0	0	0	0	0	3
June	3.06	1.14	.0	4.8	10.4	s.	33	n.	1	9	18	3	7	7	0	0	0	0	0	0	0	0	0	0	0	0	6
July	13.79	3.89	.0	6.0	8.5	s.	31	nw.	0	7	13	11	12	11	0	0	0	0	0	0	0	5	0	0	0	0	12
August	5.56	1.93	.0	6.2	10.8	s.	50	se.	3	1	21	9	12	10	0	0	0	0	0	0	0	2	0	0	0	0	10
September	1.86	.64	.0	4.0	9.5	s.	30	n.	0	14	14	2	10	8	0	0	0	0	0	0	0	0	0	0	0	0	3
October	2.82	2.47	.0	3.5	9.0	se.	27	sw.	0	18	8	5	5	4	0	0	0	0	0	0	0	0	0	0	0	0	1
November	4.20	2.72	.0	4.0	11.1	s.	27	nw.	0	14	13	3	5	4	0	0	0	0	0	0	0	0	0	0	0	0	2
December	2.21	.89	.0	5.5	10.8	se.	33	nw.	1	9	14	8	9	6	0	0	0	6	4	3	3	0	0	0	0	0	4
Year	47.30	3.89	.0	5.5	10.7	s.	50	se.	15	108	147	110	95	75	0	0	0	22	18	13	12	0	7	0	2	0	53

GRAND JUNCTION, COLO.
 [H=4,587 ft.; H_b=4,621 ft.; H_i=60 ft.; H_r=52 ft.; H_a=68 ft.]

January	0.19	0.08	2.0	4.8	4.8	se.	19	sw.	0	13	9	9	5	2	10	5	0	4	3	3	3	6	0	0	31	3	1
February	1.17	.48	8.4	6.3	5.6	se.	26	w.	0	7	6	15	10	9	11	8	0	1	1	1	0	8	0	0	26	4	0
March	.56	.29	3.7	5.2	6.3	se.	27	nw.	0	12	6	13	7	5	8	5	0	0	0	0	0	0	0	0	24	0	1
April	1.26	.63	.0	6.6	7.6	se.	27	sw.	0	6	8	16	10	8	0	0	0	0	0	0	0	0	0	0	0	0	4
May	.15	.08	T	4.2	8.0	n.	29	sw.	0	13	13	5	2	2	1	1	1	0	0	0	0	0	1	0	0	0	1
June	.01	.01	.0	3.1	7.6	se.	28	w.	0	17	9	4	1	0	0	0	0	0	0	0	0	10	1	0	0	0	2
July	1.15	.96	.0	3.4	6.6	se.	28	s.	0	17	11	3	5	3	0	0	0	0	0	0	0	26	16	0	0	0	11
August	.84	.69	.0	3.7	6.4	se.	26	s.	0	15	13	3	4	4	0	0	0	0	0	0	0	20	7	0	0	0	5
September	.41	.28	.0	2.6	6.4	se.	24	sw.	0	20	7	3	4	3	0	0	0	0	0	0	0	2	0	0	0	0	3
October	.53	.20	.0	4.2	5.3	se.	25	w.	0	13	12	6	8	5	0	0	0	1	1	0	0	0	0	0	3	0	2
November	.13	.07	T	4.3	5.9	nw.	42	sw.	2	11	14	5	3	2	5	1	0	0	0	0	0	0	0	0	18	0	0
December	.08	.08	.2	4.3	4.5	se.	20	n.	0	13	13	5	1	1	5	0	0	0	0	0	0	0	0	0	31	0	1
Year	6.48	.96	14.3	4.4	6.3	se.	42	sw.	2	157	121	87	60	44	40	20	1	6	5	4	3	14	59	24	133	7	31

GRAND RAPIDS, MICH.
 Airport [H=684 ft.; H_b=699 ft.; H_i=5 ft.; H_r=3 ft.; H_a=48 ft.] City [H=638 ft.; H_b=675 ft.; H_i=70 ft.; H_r=70 ft.; H_a=244 ft.]

January	2.53	0.92	31.2	8.1	12.7	sw.	44	sw.	6	4	4	23	17	10	21	14	0	15	5	3	3	12	0	0	24	4	0
February	.91	.40	12.8	7.1	10.0	n.	31	ne.	0	7	5	16	10	7	21	9	0	7	1	1	1	19	0	0	26	0	0
March	3.84	1.65	12.2	7.3	13.0	sw.	43	sw.	7	5	8	18	14	8	18	10	0	15	3	1	1	0	0	0	21	0	1
April	.52	.35	2.0	4.3	11.9	sw.	44	sw.	6	12	12	6	4	3	2	1	0	8	0	1	0	0	0	0	3	0	2
May	5.76	1.52	.0	6.5	11.2	sw.	49	n.	6	6	9	16	15	14	0	0	1	8	3	0	0	0	0	0	0	0	10
June	4.06	.76	.0	5.6	8.6	e.	27	sw.	0	6	15	9	12	10	0	0	0	15	4	1	1	0	1	0	0	0	7
July	4.08	1.33	.0	3.9	9.2	sw.	36	sw.	3	15	11	5	7	7	0	0	0	11	1	0	0	4	2	0	0	0	6
August	3.64	1.21	.0	4.5	9.1	s.	43	sw.	2	13	13	5	10	8	0	0	0	17	3	3	2	0	1	0	0	0	9
September	5.22	1.59	T	6.0	9.3	s.	36	sw.	1	6	13	11	14	12	3	1	0	15	4	0	1	0	0	0	0	0	3
October	2.83	1.11	T	5.7	11.0	sw.	44	sw.	4	12	6	13	12	8	5	1	0	20	5	3	1	0	0	0	1	0	2
November	3.95	1.65	5.1	7.7	13.1	s.	44	sw.	9	1	11	18	13	11	10	6	0	14	6	2	2	3	0	0	14	0	1
December	2.59	1.34	11.5	8.4	11.6	sw.	33	w.	1	4	3	24	16	9	19	11	0	11	4	1	1	15	0	0	29	0	2
Year	39.93	1.65	74.8	6.3	10.9	sw.	49	n.	45	91	110	164	144	107	99	53	1	156	39	16	13	49	6	2	118	4	43

GREAT FALLS, MONT.
[$\phi=47^{\circ}30' N.$; $\lambda=111^{\circ}21' W.$]

Month	Pressure				Temperature ($^{\circ} F.$)													Moisture									
	Mean		Extremes		Mean													Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Extremes					Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
January	In.	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
February	26.31	30.18	26.63	25.93	24.8	24.3	30.3	29.8	21.5	21.3	25.7	25.5	35.5	19.8	27.6	51	-23	16	16	19	19	18	73	72	65	66	69
March	26.17	29.98	26.44	25.75	17.9	16.9	22.1	23.6	16.7	15.8	20.1	21.3	28.4	11.5	20.0	49	-17	14	14	17	17	16	86	88	82	76	83
April	26.10	29.84	26.51	25.68	42.9	37.3	51.6	54.0	36.7	33.3	41.1	42.4	59.1	34.9	47.0	80	18	29	28	29	29	29	60	70	45	42	54
May	26.18	29.92	26.53	25.80	46.3	41.4	54.8	56.9	42.1	38.8	45.3	46.5	60.6	40.1	50.4	84	30	38	36	36	36	36	74	82	52	50	64
June	26.20	29.91	26.62	25.80	51.8	48.3	61.2	62.4	47.2	45.0	50.8	51.7	67.0	46.5	56.8	84	37	43	42	42	42	42	73	79	51	52	64
July	26.28	29.96	26.60	25.97	63.8	57.5	75.8	80.4	55.0	51.6	58.4	58.9	82.7	55.9	69.3	94	47	48	47	46	43	46	59	70	38	30	49
August	26.25	29.93	26.61	25.94	64.0	56.2	72.5	76.7	53.0	49.7	56.5	57.0	80.2	54.2	67.2	97	46	45	44	45	42	44	52	67	40	32	48
September	26.26	29.98	26.56	25.92	53.2	48.5	60.4	65.1	47.1	44.5	49.8	51.4	68.6	45.8	57.2	88	33	42	41	41	40	41	67	76	52	43	60
October	26.25	30.00	26.67	25.72	46.1	43.9	54.3	54.3	39.9	38.2	43.2	43.4	60.8	39.4	50.1	84	15	33	32	32	32	32	62	64	46	47	55
November	26.12	29.93	26.56	25.27	32.5	30.4	35.1	34.5	28.1	26.8	29.6	29.1	41.3	25.3	33.3	63	4	22	21	22	21	22	67	72	61	61	66
December	26.12	29.96	26.52	25.70	26.8	26.8	31.0	30.3	24.0	23.7	26.6	26.6	36.0	20.4	28.2	59	-8	19	19	20	21	20	74	73	64	68	70
Year	26.20	29.97	26.67	25.27	41.7	38.3	48.8	50.6	36.5	34.5	39.8	40.6	55.2	34.9	45.0	97	-23	31	30	31	31	31	68	74	55	52	62

GREEN BAY, WIS.
[$\phi=44^{\circ}31' N.$; $\lambda=88^{\circ}00' W.$]

January	29.32	30.02	29.84	28.61	17.8	17.5	22.1	20.8	16.6	16.4	20.0	19.2	25.7	11.8	18.8	46	-22	14	14	14	15	14	83	83	68	78	78
February	29.41	30.11	29.72	28.76	18.8	16.1	23.4	23.2	17.7	15.1	21.0	21.5	26.7	13.2	20.0	36	-11	14	12	15	17	15	82	84	68	76	78
March	29.14	29.82	29.53	28.44	33.5	31.2	37.1	36.4	31.0	29.4	33.5	33.3	40.2	29.1	34.6	54	20	28	26	28	29	28	79	82	71	75	77
April	29.39	30.06	29.82	28.72	45.4	42.8	55.6	55.1	41.1	39.4	47.7	47.6	60.3	39.7	50.0	80	24	36	35	40	40	38	71	75	57	58	65
May	29.29	29.96	29.68	28.66	51.5	50.6	58.4	57.5	48.0	47.5	52.0	51.8	62.7	45.8	54.2	78	37	45	45	46	47	46	78	80	67	70	74
June	29.31	29.98	29.60	28.87	60.8	59.9	69.7	69.3	57.1	56.2	60.6	61.5	73.8	56.0	64.9	86	44	55	53	54	56	54	80	80	60	63	71
July	29.32	29.98	29.52	29.01	65.4	63.8	75.3	74.5	61.2	60.0	64.0	64.8	79.5	60.3	69.9	95	50	58	58	57	59	58	79	80	55	60	69
August	29.34	30.01	29.64	29.00	64.1	62.3	71.0	72.3	60.6	59.5	63.5	63.7	76.7	59.3	68.0	92	44	58	58	57	58	58	82	85	67	63	74
September	29.34	30.02	29.81	28.84	55.1	53.0	62.4	60.9	51.8	50.8	54.7	54.1	66.3	49.6	58.0	86	29	49	49	48	49	49	80	86	61	65	73
October	29.29	29.97	29.76	28.64	46.3	43.5	55.8	52.2	42.7	41.1	47.3	45.8	59.2	40.4	49.8	75	21	39	38	39	39	39	75	82	54	62	68
November	29.30	29.99	29.81	28.54	33.4	32.1	38.1	36.7	31.5	27.8	34.0	33.4	42.5	28.3	35.4	64	11	27	26	28	28	27	64	76	66	70	69
December	29.37	30.08	30.02	28.62	17.9	17.2	22.1	20.6	17.2	16.4	20.5	19.5	24.5	12.8	18.6	34	-6	15	14	16	16	16	88	87	76	82	84
Year	29.32	30.00	30.02	28.44	42.5	40.8	49.2	48.3	39.7	38.3	43.2	43.0	53.2	37.2	45.2	95	-22	36	36	37	38	37	78	82	64	68	73

GREENSBORO, N. C.
Airport [$\phi=36^{\circ}05' N.$; $\lambda=79^{\circ}57' W.$]

January	29.15	30.12	29.63	28.51	32.6	30.0	44.8	38.0	30.0	28.0	37.3	33.9	48.2	24.7	36.4	66	—5	26	24	26	28	26	76	79	49	66	68
February	29.03	30.00	29.46	28.41	32.8	30.3	43.0	38.4	29.6	27.6	35.9	33.5	46.4	26.6	36.5	62	13	24	22	24	25	24	67	70	48	58	61
March	28.98	29.93	29.30	28.12	44.7	41.6	57.2	52.5	41.0	38.8	46.8	45.3	60.4	38.0	49.2	77	29	36	35	35	37	36	73	78	48	59	64
April	29.16	30.10	29.45	28.71	51.6	50.6	70.9	65.1	45.8	46.2	54.3	52.5	74.8	45.2	60.0	90	28	40	42	39	41	40	66	72	34	43	54
May	29.12	30.05	29.35	28.86	61.6	61.7	76.7	71.0	58.0	58.4	63.9	62.6	78.8	56.6	67.7	90	42	56	56	56	57	56	81	82	50	64	69
June	29.06	29.99	29.35	28.82	68.6	70.3	83.1	77.4	65.9	66.9	70.7	70.0	85.9	65.2	75.6	94	57	64	65	65	67	65	87	83	55	70	74
July	29.12	30.04	29.32	28.92	71.5	73.0	84.6	79.8	68.9	69.8	73.4	72.9	87.9	67.7	77.8	97	58	68	68	69	70	69	89	86	61	73	77
August	29.14	30.07	29.44	28.93	69.3	69.2	81.8	74.9	67.6	67.1	70.9	69.7	84.5	65.7	75.1	98	49	67	66	66	67	66	92	90	60	78	80
September	29.14	30.07	29.59	28.77	64.8	63.7	78.8	70.6	62.4	61.5	67.0	65.1	81.6	59.2	70.4	92	35	61	60	60	62	61	87	87	56	75	76
October	29.12	30.06	29.51	28.70	54.3	52.1	69.0	60.1	51.7	50.2	58.2	56.1	71.2	48.7	60.0	82	29	50	48	50	53	50	84	88	54	78	76
November	29.19	30.15	29.55	28.71	44.1	41.2	58.8	49.3	41.4	39.2	47.4	44.9	61.2	37.2	49.2	79	22	38	36	38	40	38	80	82	48	71	70
December	29.15	30.12	29.68	28.28	34.9	32.7	44.1	37.8	32.9	31.1	38.9	35.3	47.7	27.7	37.7	69	9	29	28	32	31	30	80	80	63	77	75
Year	29.11	30.06	29.68	28.12	52.6	51.4	66.1	59.6	49.6	48.7	55.4	53.5	69.0	46.9	58.0	98	—5	47	46	47	48	47	80	81	52	68	70

GREENVILLE, S. C.
Airport [$\phi=34^{\circ}51' N.$; $\lambda=82^{\circ}21' W.$]

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MONTHLY AND ANNUAL SUMMARIES

71

GREAT FALLS, MONT.

[H=3,664 ft.; H_b=3,664 ft.; H_t=16 ft.; H_r=15 ft.; H_a=75 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	In. 0.46	In. 0.26	In. 6.7	5.3	Mi. 20.1	sw.	48	sw.	17	9	13	9	5	4	7	5	0	1	1	2	1	8	0	0	21	6	0
February	1.02	.27	14.0	6.9	14.3	sw.	38	sw.	8	5	7	16	11	7	16	11	0	8	4	5	3	14	0	0	27	7	0
March	.85	.42	8.8	6.7	16.2	sw.	56	nw.	9	6	13	12	6	6	12	6	0	1	1	2	0	4	0	0	25	0	0
April	.35	.12	.3	6.9	13.8	sw.	56	w.	10	4	11	15	7	3	7	1	0	0	0	0	1	0	0	9	0	0	
May	4.64	.96	.2	6.9	12.0	sw.	42	s.	5	4	12	15	14	14	5	2	2	4	1	2	0	0	0	4	0	9	
June	2.44	.44	.0	6.5	12.9	sw.	48	w.	11	4	12	14	16	14	0	0	3	3	1	1	0	0	0	0	0	11	
July	1.50	.52	.0	3.5	11.0	sw.	55	sw.	9	17	12	2	13	8	0	0	1	0	0	0	0	8	0	0	0	15	
August	.67	.49	.0	4.4	10.1	sw.	41	n.	6	14	11	6	5	3	0	0	0	0	0	0	0	6	3	0	0	4	
September	1.06	.25	T	6.1	11.2	w.	44	nw.	5	7	12	11	8	7	1	0	0	4	3	2	1	0	0	0	0	3	
October	.56	.31	.3	5.7	15.6	sw.	49	w.	8	7	13	11	8	5	5	3	0	1	0	0	0	0	0	9	0	1	
November	.94	.39	13.0	7.0	16.8	sw.	49	sw.	16	3	12	15	8	3	13	7	0	0	4	0	1	7	0	0	22	0	0
December	.06	.05	1.1	7.2	16.2	sw.	63	w.	10	2	12	17	2	1	10	2	0	4	3	4	0	9	0	0	25	4	0
Year	14.55	.96	44.4	6.1	14.2	sw.	63	w.	114	82	140	143	103	75	76	37	6	26	18	18	6	43	14	3	142	17	43

GREEN BAY, WIS.

[H=589 ft.; H_b=617 ft.; H_t=90 ft.; H_r=82 ft.; H_a=123 ft.]

January	0.78	0.62	8.4	5.7	12.2	sw.	40	n.	1	11	6	14	6	3	14	6	0	8	3	0	0	14	0	0	31	8	0
February	.79	.51	9.0	6.7	10.0	n.	24	n.	0	6	6	16	7	5	19	7	0	7	2	0	1	20	0	0	28	3	0
March	2.80	.81	12.1	7.6	11.4	w.	40	nw.	2	4	6	21	15	13	17	10	1	10	4	1	0	0	0	0	24	0	2
April	2.08	.68	.2	5.4	11.9	s.	30	s.	0	9	12	9	9	7	5	2	0	3	0	0	0	0	0	0	10	0	5
May	7.10	2.74	.0	6.9	11.3	s.	32	ne.	1	6	8	17	15	14	0	0	1	8	1	0	0	0	0	0	0	5	
June	4.83	2.64	.0	7.1	8.7	se.	31	w.	0	3	11	16	12	7	0	0	1	7	3	3	2	0	0	0	0	6	
July	1.88	.74	.0	6.3	9.0	sw.	31	s.	0	5	17	9	8	5	0	0	0	3	1	1	0	0	3	1	0	5	
August	1.11	.59	.0	7.1	9.3	s.	26	nw.	0	3	14	14	9	4	0	0	0	7	0	0	0	0	1	0	0	3	
September	3.43	1.12	T	6.5	9.9	s.	28	w.	0	6	13	11	15	11	3	0	0	13	4	0	0	0	0	0	3	3	
October	1.24	.44	T	5.3	10.0	w.	29	se.	0	12	8	11	7	6	3	0	0	13	4	4	3	1	0	0	6	0	
November	1.81	.67	1.8	7.3	11.4	s.	32	s.	1	4	8	18	9	7	8	4	0	5	3	1	0	4	0	0	21	0	0
December	2.25	.94	14.2	7.8	10.6	sw.	29	n.	0	4	4	23	11	8	21	11	0	2	1	0	0	28	0	0	31	3	0
Year	30.10	2.74	4.57	6.6	10.5	s.	40	n.	5	73	113	179	123	90	90	40	3	86	26	10	6	67	4	1	154	14	29

GREENSBORO, N. C.

Airport [H=891 ft.; H_b=886 ft.; H_t=6 ft.; H_r=3 ft.; H_a=56 ft.]

January	2.36	0.69	4.7	5.4	7.8	sw.	29	sw.	0	12	7	12	9	8	4	3	1	9	1	0	1	4	0	0	24	1	1
February	3.53	2.27	3.7	5.8	9.2	nw.	29	s.	0	9	6	13	7	5	6	2	0	5	1	1	0	0	0	0	21	0	0
March	4.92	1.99	5.8	5.7	10.3	sw.	37	sw.	3	10	7	14	10	10	3	2	1	11	1	1	0	0	0	0	10	0	0
April	.55	.50	.0	3.8	8.3	sw.	30	n.	0	17	6	7	3	3	0	0	0	5	1	1	1	0	0	0	4	0	0
May	4.71	1.88	.0	6.5	7.7	s.	26	se.	0	7	11	13	10	7	0	0	0	15	1	2	1	0	1	0	0	7	
June	4.23	1.37	.0	6.0	6.8	s.	32	nw.	1	4	17	9	15	12	0	0	0	16	2	2	1	0	4	0	0	10	
July	4.26	1.26	.0	5.8	6.0	sw.	30	w.	0	10	10	11	8	7	0	0	0	13	2	4	1	0	14	5	0	9	
August	5.53	1.91	.0	6.8	7.0	sw.	25	sw.	0	5	10	16	16	13	0	0	0	21	0	1	1	0	3	2	0	12	
September	3.17	1.50	.0	4.7	6.8	ne.	26	s.	0	13	10	7	6	6	0	0	0	17	4	2	3	0	6	0	0	3	
October	4.27	1.71	.0	5.3	7.8	ne.	28	ne.	0	13	6	12	9	8	0	0	0	13	1	0	0	0	0	0	2	0	
November	1.27	.85	.0	4.2	7.8	ne.	25	w.	0	14	8	8	8	4	0	0	0	14	3	2	4	0	0	0	9	0	
December	3.44	.75	2.1	6.0	8.9	ne.	34	w.	1	10	6	15	16	12	4	3	0	18	8	4	6	1	0	0	24	0	
Year	42.24	2.27	16.3	5.5	7.9	sw.	37	sw.	5	124	104	137	117	95	17	10	2	157	25	20	19	5	28	7	94	1	43

GREENVILLE, S. C.

Airport [H=1,006 ft.; H_b=1,023 ft.; H_t=18 ft.; H_r=27 ft.; H_a=36 ft.]

January	2.84	0.90	1.2	5.1	8.9	sw.	39	n.	1	11	11	9	9	7	5	2	0	9	1	1	2	1	0	0	14	0	0
February	5.04	3.10	.8	5.1	9.1	n.	32	w.	1	14	3	11	8	8	4	1	0	6	4	1	0	0	0	0	17	0	0
March	5.88	1.84	8.0	5.5	9.7	sw.	38	ne.	3	12	6	13	14	8	2	1	0	5	7	1	1	0	0	0	5	0	4
April	1.00	1.00	.0	3.8	8.8	sw.	35	nw.	2	16	10	4	2	1	0	0	0	2	0	0	0	0	0	0	0	0	0
May	4.02	1.37	.0	6.4	7.5	sw.	24	n.	0	7	12	12	9	8	0	0	0	8	0	0	0	0	0	0	0	0	9
June	1.90	.71	.0	6.6	7.7	sw.	29	nw.	0	0	22	8	10	7	0	0	0	2	0	0	0	0	10	2	0	0	10
July	4.73	1.17	.0	6.7	6.7	w.	39	w.	4	3	14	14	17	14	0	0	1	3	1	1	0	0	18	6	0	0	14
August	4.87	1.38	.0	6.5	7.0	sw.	26	n.	0	5	11	15	16	15	0	0	0	8	0	0	0	0	6	1	0	0	13
September	3.50	1.13	.0	5.3	7.6	ne.	29	ne.	0	8	13	9	10	9	0	0	0	10	2	3	2	0	5	0	0	0	4
October	2.37	.87	.0	4.9	8.3	ne.	24	n.	0	12	9	10	11	8	0	0	0	6	1	1	0	0	0	0	0	0	2
November	1.39	.68	.0	4.6	8.6	ne.	30	n.	0	12	9	9	4	4	0	0	0	7	1	3	3	0	0	0	1	0	0
December	6.01	2.51	T	5.7	9.7	ne.	40	w.	3	12	5	14	15	11	2	0	1	15	4	2	6	0	0	0	12	0	1
Year	43.55	3.10	10.0	5.5	8.3	sw.	40	w.	14	112	125	128	125	100	13	4	2	81	21	13	14	1	39	9	49	0	59

HARRISBURG, PA.
Airport [$\phi=40^{\circ}13' N.$; $\lambda=76^{\circ}51' W.$]

Month	Pressure				Temperature (° F.)														Moisture											
	Mean		Extremes		Mean														Extremes		Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity							
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						Maximum	Minimum	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
In. (¹)	In.	In. (¹)	In. (¹)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%			
January	29.66	30.08	30.15	28.93	26.7	26.3	33.6	31.0	24.5	24.2	29.2	27.5	37.2	21.0	29.1	59	-3	20	20	20	20	20	74	74	58	63	67			
February	29.52	29.93	30.01	28.85	26.8	25.7	33.7	31.0	23.9	23.0	28.5	27.0	36.6	22.9	29.8	49	-7	17	16	17	18	17	64	64	49	57	58			
March	29.47	29.88	29.89	28.40	39.4	37.1	47.6	44.6	36.0	34.4	40.1	38.9	51.5	34.0	42.8	66	26	31	31	30	31	31	72	78	53	61	66			
April	29.64	30.05	29.92	29.22	48.4	48.2	64.2	60.0	43.9	43.3	50.7	49.2	68.4	43.5	56.0	92	30	39	38	38	38	38	70	68	40	47	56			
May	29.62	30.02	29.95	29.36	60.5	60.5	72.8	68.7	56.2	56.0	60.9	60.3	77.2	55.2	66.2	97	37	53	52	52	54	53	76	76	52	62	66			
June	29.57	29.97	29.91	29.23	65.6	66.9	78.0	73.9	62.8	62.9	66.9	66.6	80.7	62.1	71.4	91	54	61	60	60	62	61	86	80	57	69	73			
July	29.59	29.99	29.88	29.28	69.4	70.5	82.3	77.7	65.6	66.1	70.0	70.0	86.0	65.9	76.0	95	57	64	63	64	66	64	82	80	55	69	72			
August	29.66	30.05	30.03	29.39	66.5	66.8	79.2	72.7	64.2	64.2	68.0	67.2	81.6	62.6	72.1	94	48	63	63	62	64	63	88	87	57	76	77			
September	29.66	30.06	30.18	29.22	61.4	60.6	73.6	66.8	58.8	58.4	63.0	61.2	77.0	56.1	66.6	94	35	57	57	56	57	57	86	87	56	73	75			
October	29.66	30.06	30.14	29.14	52.2	50.4	64.0	57.9	49.2	47.9	54.7	53.1	66.5	47.4	57.0	83	29	46	45	47	49	47	80	83	57	73	73			
November	29.69	30.10	30.15	29.05	41.3	39.9	50.0	44.5	38.2	37.0	42.8	39.9	52.7	35.0	43.8	77	22	34	33	34	34	34	75	75	55	66	68			
December	29.67	30.09	30.33	28.46	29.2	27.4	34.0	30.6	27.2	25.3	30.2	28.0	37.1	23.9	30.5	48	2	23	21	23	22	22	76	74	62	70	71			
Year	29.62	30.02	30.33	28.40	49.0	48.4	59.4	55.0	45.9	45.2	50.4	49.1	62.7	44.1	53.4	97	-3	42	42	42	43	42	77	77	54	66	68			

HARTFORD, CONN.
Airport [$\phi=41^{\circ}44' N.$; $\lambda=72^{\circ}39' W.$]

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HATTERAS, N. C.
[$\phi=35^{\circ}15' N.$; $\lambda=75^{\circ}40' W.$]

January	30.08	30.09	30.58	29.41	44.0	43.0	48.9	44.7	42.0	41.3	45.3	42.4	52.4	38.9	45.6	67	24	40	39	41	40	40	84	86	76	82	82
February	29.94	29.95	30.46	29.14	41.3	38.8	44.3	42.0	39.2	36.8	41.0	39.9	47.0	36.2	41.6	68	23	36	34	37	37	36	82	82	75	82	80
March	29.92	29.93	30.27	29.00	52.6	51.7	58.5	54.0	50.5	49.3	53.9	51.6	60.9	48.5	54.7	72	38	48	47	50	49	49	86	84	74	85	82
April	30.08	30.09	30.40	29.60	55.4	57.8	64.5	57.5	52.3	53.5	56.3	53.9	66.0	52.1	59.0	77	43	49	50	49	51	50	81	75	59	79	74
May	30.05	30.06	30.26	29.80	68.1	70.4	75.1	67.8	65.0	65.7	67.4	65.7	77.1	65.3	71.2	81	57	63	63	63	63	63	85	78	67	81	78
June	29.96	29.97	30.27	29.65	74.5	77.4	81.4	76.6	72.1	72.8	74.1	72.4	82.6	72.3	77.4	88	65	71	71	71	71	71	89	80	71	82	81
July	30.00	30.01	30.20	29.81	78.6	80.5	84.8	80.4	75.7	76.5	77.7	76.7	86.8	76.2	81.5	95	70	75	75	75	75	75	88	84	73	84	82
August	30.04	30.05	30.26	29.78	76.1	77.1	80.9	76.5	73.3	73.4	75.3	73.0	82.7	73.4	78.0	90	66	72	72	73	72	72	88	84	77	85	84
September	30.02	30.03	30.34	29.69	73.0	74.1	80.0	74.3	70.8	71.6	73.3	71.2	81.6	70.5	76.0	88	56	70	70	70	70	70	89	88	72	85	84
October	30.00	30.00	30.39	29.56	65.4	65.7	71.3	66.7	62.9	63.0	65.1	63.5	72.3	62.6	67.4	79	47	61	61	61	62	61	87	86	72	85	82
November	30.09	30.11	30.48	29.55	56.8	55.7	62.3	57.5	54.2	53.2	57.1	54.6	64.8	52.3	58.6	75	36	52	51	53	52	52	84	85	73	83	81
December	30.08	30.09	30.61	29.14	47.1	44.1	49.3	45.8	45.2	42.6	46.3	44.1	55.5	39.7	47.6	68	22	43	41	43	42	42	86	87	80	87	85
Year	30.02	30.03	30.61	29.00	61.1	61.4	66.8	62.0	58.6	58.3	61.1	59.1	69.1	57.3	63.2	95	22	57	56	57	57	57	86	83	72	83	81

HAVRE, MONT.
[$\phi=48^{\circ}34' N.$; $\lambda=109^{\circ}40' W.$]

January	27.46	30.20	27.86	27.05	21.4	20.1	27.6	28.8	19.3	18.0	23.8	25.3	35.5	13.1	24.3	50	-24	15	13	18	20	16	75	73	66	67	70
February	27.37	30.13	27.69	26.87	14.5	10.0	17.5	21.4	13.3	9.2	16.0	19.4	25.8	5.5	15.6	47	-16	10	7	12	15	11	82	86	79	75	80
March	27.31	30.00	27.79	26.87	30.0	26.7	37.0	40.1	27.7	24.7	31.8	34.5	42.6	23.0	32.8	66	12	24	22	24	27	24	78	80	60	61	70
April	27.23	29.87	27.69	26.76	42.7	36.1	55.0	56.8	37.5	33.2	42.9	44.2	61.7	33.4	47.6	85	19	32	29	30	30	30	66	76	40	40	55
May	27.31	29.94	27.69	26.91	48.6	42.3	59.7	62.1	42.7	39.3	47.8	48.9	64.8	40.2	52.5	88	26	36	36	36	36	36	64	78	44	40	57
June	27.29	29.90	27.75	26.85	53.8	49.0	64.6	67.2	49.7	46.4	53.5	54.5	71.1	47.6	59.4	83	36	46	44	44	41	44	76	83	51	47	64
July	27.38	29.97	27.73	27.06	64.6	57.5	76.8	80.8	55.9	53.1	60.5	60.2	83.8	55.5	69.6	97	41	50	50	50	46	49	61	76	42	33	53
August	27.35	29.94	27.76	27.00	61.7	55.5	74.1	77.4	54.4	51.5	59.4	59.1	81.6	53.2	67.4	98	42	49	48	50	47	49	65	78	45	37	56
September	27.37	29.99	27.71	26.94	52.2	46.7	62.3	66.6	47.3	43.6	51.1	52.4	71.1	44.1	57.6	91	30	43	41	42	40	41	73	80	49	42	61
October	27.36	30.00	27.81	26.84	44.6	40.5	53.5	55.3	39.0	36.3	43.1	43.3	61.3	34.7	48.0	88	13	32	31	33	30	32	65	71	48	45	57
November	27.27	29.98	27.77	26.37	27.4	24.3	32.2	30.7	24.5	22.2	28.0	27.0	39.0	18.4	28.7	65	0	20	19	22	22	21	76	80	67	70	73
December	27.29	30.02	27.73	26.78	18.4	18.9	23.2	22.8	17.1	17.1	20.7	20.7	29.5	11.2	20.4	52	-13	14	14	16	17	15	84	82	75	77	80
Year	27.33	30.00	27.86	26.37	40.0	35.6	48.6	50.8	35.7	32.9	39.9	40.8	55.6	31.7	43.7	98	-24	31	30	31	31	31	72	79	56	53	65

MONTHLY AND ANNUAL SUMMARIES

73

HARRISBURG, PA.

Airport [$H=335$ ft.; $H_b=351$ ft.; $H_t=30$ ft.; $H_r=29$ ft.; $H_a=49$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below
January	<i>In.</i> 2.37	<i>In.</i> 0.97	<i>In.</i> 7.7	5.5	<i>Mi.</i> 7.9	w.	32	nw.	1	11	6	14	8	8	8	5	0	9	4	4	3	8	0	0	24	2	0
February	2.93	1.52	4.9	5.8	12.4	nw.	31	nw.	0	8	8	12	5	5	11	1	0	5	4	3	3	6	0	0	24	0	0
March	3.14	.86	10.2	7.1	10.2	w.	40	sw.	1	5	9	17	14	10	13	3	0	15	5	3	1	0	0	0	10	0	1
April	1.54	1.08	T	6.0	8.7	nw.	34	nw.	1	7	11	12	8	4	2	0	0	10	1	0	0	0	2	0	1	0	1
May	6.39	2.28	.0	6.2	7.8	se.	31	se.	0	6	14	11	13	9	0	0	0	12	1	0	0	3	1	0	0	0	11
June	3.63	1.24	.0	6.9	6.9	se.	43	sw.	1	4	11	15	15	10	0	0	0	16	4	3	3	0	2	0	0	0	8
July	5.53	1.35	.0	6.4	6.0	sw.	27	n.	0	6	13	12	12	12	0	0	0	15	3	2	1	0	8	2	0	0	14
August	4.60	.97	.0	6.6	5.5	w.	27	sw.	0	5	11	15	11	9	0	0	0	24	3	3	3	0	4	0	0	0	8
September	2.58	1.59	.0	5.7	6.2	w.	29	s.	0	10	9	11	11	7	0	0	0	20	6	5	4	0	3	0	0	0	1
October	4.40	1.92	.0	6.2	7.1	se.	26	s.	0	9	8	14	9	9	0	0	0	19	4	4	4	0	0	0	2	0	0
November	2.19	.64	T	6.0	8.3	nw.	39	s.	1	6	11	13	13	10	3	0	0	13	3	1	1	0	0	0	13	0	0
December	5.04	1.82	7.8	6.6	8.5	w.	30	w.	0	7	9	15	16	13	11	6	0	18	8	4	3	6	0	0	27	0	0
Year	44.34	2.28	30.6	6.2	7.9	nw.	43	sw.	5	84	120	161	135	106	48	15	0	176	46	32	26	20	22	3	101	2	44

HARTFORD, CONN.

[$H=21$ ft.; $H_b=21$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=44$ ft.]

January	4.20	1.49	7.1	5.5	9.5	n.	32	sw.	1	10	12	9	9	7	12	5	0	15	4	3	2	10	0	0	28	4	1
February	2.11	.87	5.7	6.1	12.1	n.	34	nw.	3	6	9	13	9	4	10	3	0	6	0	1	0	9	0	0	27	0	0
March	6.13	1.47	2.3	7.2	10.5	nw.	38	s.	4	3	10	18	13	11	9	3	0	14	3	2	1	0	0	0	20	0	1
April	.65	.41	.5	6.3	9.6	sw.	26	nw.	0	7	10	13	8	5	3	3	0	8	1	0	0	0	0	0	5	0	2
May	3.89	1.50	.0	7.3	8.7	sw.	26	s.	0	4	8	19	11	9	0	0	0	20	2	3	2	0	0	0	0	0	4
June	4.03	1.39	.0	6.8	7.7	sw.	24	n.	0	6	9	15	11	10	0	0	0	19	5	3	4	0	0	0	0	0	5
July	4.47	1.60	.0	6.1	7.2	s.	27	n.	0	7	12	12	12	9	0	0	0	22	3	3	2	0	3	0	0	0	6
August	4.31	1.54	.0	6.0	6.7	sw.	21	s.	0	8	10	13	10	9	0	0	0	22	5	3	4	0	0	0	0	0	5
September	3.24	1.57	.0	5.6	7.0	sw.	30	s.	0	12	7	11	12	7	0	0	0	24	9	6	10	0	1	0	0	0	0
October	2.80	1.13	.0	5.9	7.4	sw.	26	nw.	0	9	10	12	7	5	0	0	0	23	6	6	6	0	0	0	2	0	0
November	7.05	2.13	T	6.6	8.8	n.	34	sw.	2	5	11	14	13	11	2	1	0	12	2	0	0	1	0	0	17	0	1
December	6.69	2.35	10.2	6.1	9.6	n.	37	sw.	1	9	7	15	12	10	9	5	0	17	3	2	2	10	0	0	29	5	0
Year	49.57	2.35	25.8	6.3	8.7	n.	38	s.	11	86	115	164	127	97	45	20	0	202	43	32	33	30	4	0	128	9	25

HATTERAS, N. C.

[$H=7$ ft.; $H_b=11$ ft.; $H_t=5$ ft.; $H_r=4$ ft.; $H_a=50$ ft.]

January	3.75	1.51	2.5	4.9	13.4	n.	41	n.	5	15	4	12	9	8	3	2	0	3	0	0	0	0	0	0	7	0	1
February	2.76	1.13	T	5.2	15.5	n.	42	n.	2	10	8	10	8	7	1	0	0	2	0	1	0	0	0	0	6	0	1
March	5.72	1.37	.0	4.8	15.1	sw.	45	se.	9	14	7	10	12	10	0	0	0	4	2	0	0	0	0	0	0	0	3
April	.51	.49	.0	3.3	11.5	sw.	35	n.	1	17	9	4	3	1	0	0	0	2	0	0	0	0	0	0	0	0	1
May	1.17	.84	.0	4.9	11.5	sw.	30	w.	0	10	14	7	7	3	0	0	1	1	0	0	0	0	0	0	0	0	3
June	3.12	2.71	.0	4.8	10.3	sw.	26	w.	0	8	17	5	3	3	0	0	0	1	0	0	0	0	0	0	0	0	3
July	1.40	.42	.0	5.3	10.7	sw.	28	n.	0	10	13	8	8	6	0	0	0	1	0	0	0	0	6	1	0	0	10
August	6.35	2.39	.0	6.1	12.7	sw.	36	n.	3	8	9	14	14	14	0	0	0	0	0	0	0	2	0	0	0	0	12
September	2.64	1.15	.0	5.7	10.9	sw.	34	n.	3	10	6	14	9	6	0	0	0	5	0	0	0	0	0	0	0	0	7
October	19.18	12.46	.0	5.5	11.6	ne.	33	ne.	1	11	9	11	14	11	0	0	0	6	1	0	0	0	0	0	0	0	5
November	2.43	1.01	.0	4.3	13.6	ne.	37	sw.	4	16	6	8	6	5	0	0	0	5	0	0	0	0	0	0	0	0	3
December	4.87	1.40	T	5.6	15.6	n.	45	w.	7	10	9	12	16	13	2	0	0	5	1	1	2	1	0	0	6	0	3
Year	53.90	12.46	2.5	5.0	12.7	sw.	45	se.	35	139	111	115	109	87	6	2	1	35	4	2	2	1	8	1	19	0	52

HAVRE, MONT.

[$H=2,488$ ft.; $H_b=2,507$ ft.; $H_t=11$ ft.; $H_r=3$ ft.; $H_a=67$ ft.]

January	0.04	0.04	0.6	5.5	10.2	sw.	30	w.	0	9	10	12	2	0	9	2	0	1	0	0	0	8	0	0	30	8	0
February	.68	.28	10.2	7.4	7.4	sw.	28	n.	0	4	7	17	9	5	14	9	0	9	9	7	6	17	0	0	28	11	0
March	1.14	.43	11.1	6.4	8.7	sw.	26	nw.	0	6	10	15	11	8	12	9	1	0	0	0	2	0	0	0	28	0	0
April	.36	.13	1.4	6.1	9.4	nw.	29	sw.	0	6	14	10	9	3	4	3	0	0	0	0	0	0	0	0	0	0	3
May	1.68	.47	.0	6.7	8.6	e.	26	se.	0	4	12	15	11	8	0	0	1	0	0	0	0	0	0	0	6	0	4
June	3.70	.96	.0	6.3	10.2	sw.	34	sw.	1	6	8	16	16	13	0	0	0	0	0	0	0	0	0	0	0	0	6
July	2.08	1.07	.0	6.2	8.1	nw.	31	nw.	0	17	11	3	11	7	0	0	0	0	0	0	0	10	1	0	0	0	10
August	.78	.35	.0	4.2	6.2	ne.	29	nw.	0	16	8	7	7	4	0	0	1	0	0	0	0	6	1	0	0	0	4
September	.95	.52	T	5.5	7.6	sw.	30	nw.	0	11	8	11	7	5	1	0	1	1	1	1	0	0	1	0	2	0	5
October	1.36	.84	2.3	5.7	9.3	sw.	31	nw.	0	7	13	11	9	4	7	3	0	0	0	0	0	0	0	0	11	0	1
November	.73	.21	14.2	6.6	8.7	sw.	26	sw.	0	7	6	17	9	6	15	9	0	2	1	0	0	10	0	0	27	0	0
December	.02	.01	.7	7.3	8.5	sw.	29	sw.	0	5	8	18	2	0	16	2	0	4	1	0	0	17	0	0	31	9	0
Year	13.52	1.07	40.5	5.9	8.6	sw.	34	sw.	1	98	115	152	103	63	78	37	4	17	12	8	6	54	17	2	176	28	33

HELENA, MONT.
Airport [$\phi=46^{\circ}36' N.$; $\lambda=112^{\circ}0' W.$]

Month	Pressure				Temperature ($^{\circ} F.$)													Moisture									
	Mean		Extremes		Mean													Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
	In. (1)	In.	In. (1)	In. (1)	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	%	%	%	%	%
January	25.95	30.43	26.35	25.53	8.4	6.4	10.3	14.3	7.6	5.7	9.2	12.8	20.5	-1.0	9.8	47	-37	5	4	6	10	6	85	89	82	80	84
February	25.76	30.17	26.02	25.37	14.2	11.3	16.8	21.4	13.2	10.7	15.6	19.4	25.3	5.7	15.5	45	-26	11	8	13	16	12	87	88	84	77	84
March	25.76	30.06	26.14	25.40	30.3	25.7	34.1	39.4	27.6	23.7	30.0	33.3	42.3	22.8	32.6	60	14	24	20	24	26	23	75	79	66	58	69
April	25.68	29.89	26.10	25.27	41.7	35.2	48.5	55.0	36.8	32.1	40.8	43.3	59.0	32.1	45.6	82	20	32	28	33	31	31	67	76	57	43	61
May	25.75	29.96	26.09	25.40	44.9	39.4	53.2	56.7	40.9	37.1	44.6	46.2	59.9	37.2	48.6	82	26	37	35	36	37	36	75	83	56	50	66
June	25.78	29.95	26.20	25.41	51.6	46.6	60.6	64.1	46.9	43.8	51.1	52.3	67.5	44.3	55.9	85	33	43	41	44	43	43	72	82	55	49	65
July	25.87	29.98	26.17	25.58	64.3	54.4	75.1	81.2	53.8	49.5	59.0	59.2	84.4	52.5	68.4	96	44	46	46	49	45	46	54	73	41	30	49
August	25.83	29.95	26.16	25.55	61.8	52.5	72.3	78.5	51.5	46.8	56.3	57.3	82.4	49.1	65.8	97	39	44	42	46	43	44	54	69	40	31	49
September	25.84	30.01	26.13	25.52	52.3	46.1	60.4	67.4	45.9	42.4	49.5	51.9	70.2	41.8	56.0	87	28	40	39	41	40	40	65	77	50	39	58
October	25.85	30.08	26.22	25.34	43.6	39.0	49.7	54.5	38.0	35.1	41.3	43.4	59.3	34.1	46.7	84	13	32	31	33	33	32	65	73	55	48	60
November	25.72	30.04	26.24	24.91	30.1	26.7	33.6	33.7	27.0	24.4	29.3	29.4	40.8	20.7	30.8	63	6	22	21	23	24	23	73	79	66	66	71
December	25.73	30.06	26.15	25.30	27.1	25.2	31.7	31.4	24.5	23.0	27.7	27.8	36.4	19.0	27.7	60	-4	20	20	22	23	21	76	78	67	70	73
Year	25.80	30.05	26.35	24.91	39.2	34.0	45.5	49.8	34.5	31.2	37.9	39.7	54.0	29.9	42.0	97	-37	30	28	31	31	30	71	79	60	53	66

HONOLULU, T. H.
[$\phi=21^{\circ}19' N.$; $\lambda=157^{\circ}52' W.$]

January	29.94	29.98	30.10	29.81	69.1	68.8	75.6	71.9	64.2	63.7	67.0	66.1	77.2	66.5	71.8	81	63	61	61	62	63	62	76	76	64	74	72
February	29.96	30.00	30.16	29.81	70.0	69.2	74.4	71.5	64.7	64.3	66.5	65.6	76.5	67.5	72.0	82	61	62	62	62	62	62	75	77	66	73	73
March	30.00	30.04	30.21	29.89	68.2	68.3	72.1	69.2	62.8	62.7	64.1	63.0	74.0	66.1	70.0	77	59	60	59	59	59	59	75	73	65	71	71
April	30.01	30.05	30.17	29.82	69.9	70.6	74.5	71.3	64.5	64.9	66.3	65.4	76.1	68.0	72.0	82	65	61	62	62	62	62	75	74	65	73	72
May	29.97	30.00	30.10	29.88	72.9	75.2	79.5	75.3	67.4	68.5	69.7	68.4	80.9	71.4	76.2	84	68	64	65	65	65	65	75	71	61	70	69
June	29.98	30.02	30.09	29.87	74.8	76.2	80.2	75.9	68.6	68.9	70.1	69.0	81.9	72.7	77.3	84	64	66	65	65	66	66	73	69	60	71	68
July	29.97	30.01	30.07	29.90	76.1	76.8	81.3	77.5	70.0	70.5	71.5	70.5	82.9	74.0	78.4	85	71	67	67	67	67	67	74	73	62	71	70
August	29.94	29.98	30.02	29.86	78.1	81.9	87.0	80.0	70.6	71.6	70.6	83.5	74.9	79.2	85	73	67	67	67	67	67	70	70	61	70	67	
September	29.92	29.97	30.03	29.79	78.1	82.1	87.0	80.0	70.6	71.6	70.6	83.5	74.9	79.2	85	73	67	67	67	67	67	70	70	61	70	67	
October	29.91	29.95	30.04	29.74	76.6	80.8	87.0	80.0	70.2	71.7	70.2	82.6	73.5	78.0	86	69	67	67	67	67	67	70	70	61	70	67	
November	29.90	29.94	30.06	29.75	75.4	79.7	87.0	80.0	70.2	71.4	70.2	81.5	72.4	77.0	85	67	67	67	67	67	67	70	70	61	70	67	
December	29.93	29.97	30.09	29.79	73.8	77.9	87.0	80.0	69.0	70.5	70.5	79.6	71.4	75.5	82	67	67	67	67	67	67	70	70	61	70	67	
Year	29.95	29.99	30.21	29.74	73.9	78.3	87.0	80.0	67.9	69.4	69.4	80.0	71.0	75.5	86	59	65	65	65	65	65	74	74	64	70	70	

HOUSTON, TEX.
Airport [$\phi=29^{\circ}39' N.$; $\lambda=95^{\circ}17' W.$] City [$\phi=29^{\circ}46' N.$; $\lambda=95^{\circ}22' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)						(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	30.07	30.23	30.54	29.58	46.5	43.1	56.8	53.2	43.7	41.3	48.1	46.9	60.4	42.5	51.4	76	28	40	39	39	40	40	80	84	54	63	71
February	29.88	30.04	30.20	29.39	50.4	49.0	57.0	55.2	47.8	46.7	50.6	49.8	61.1	45.8	53.4	76	33	44	44	44	44	44	82	83	65	69	75
March	29.81	29.96	30.23	29.40	54.3	51.6	66.1	64.7	50.5	49.0	55.9	69.8	51.3	60.6	60.6	88	39	46	46	46	47	46	77	82	53	58	68
April	29.84	29.99	30.23	29.36	63.3	61.2	72.5	70.1	61.2	59.9	64.7	64.3	75.5	61.1	68.3	84	45	60	59	60	60	60	88	92	66	74	80
May	29.82	29.96	30.02	29.53	69.8	68.2	80.8	78.1	67.7	66.6	70.2	70.1	83.6	67.2	75.4	90	54	66	66	66	66	66	90	92	59	68	77
June	29.74	29.88	29.98	29.42	75.8	74.8	86.8	84.3	73.9	73.1	76.0	76.0	89.6	73.4	81.5	95	65	73	72	72	73	72	92	92	62	69	79
July	29.90	30.04	30.08	29.76	76.7	75.1	85.7	84.2	74.8	73.9	75.9	76.6	89.1	74.6	81.8	94	69	74	73	72	74	73	92	94	65	72	81
August	29.81	29.95	29.98	29.37	77.4	75.5	86.9	84.1	75.7	74.1	77.0	77.5	90.1	75.5	82.8	94	72	75	74	73	75	74	92	94	65	75	82
September	29.84	29.99	30.16	29.60	71.8	69.0	81.8	78.2	69.4	67.4	71.3	71.3	85.6	68.9	77.2	94	45	70	66	66	68	67	88	92	60	71	78
October	29.85	30.00	30.12	29.49	65.2	62.6	79.1	73.1	63.0	61.4	66.8	66.2	81.8	62.8	72.3	90	49	62	60	60	62	61	88	92	53	70	76
November	29.92	30.08	30.37	29.49	59.2	56.0	72.3	65.1	56.7	54.5	61.8	59.7	74.2	55.5	64.8	84	38	54	53	54	55	54	84	90	55	72	75
December	29.92	30.08	30.28	29.44	51.7	49.4	62.7	58.3	50.0	48.4	55.0	53.5	66.5	47.5	57.0	80	35	48	47	49	49	48	88	92	62	73	79
Year	29.87	30.02	30.54	29.36	63.5	61.3	74.0	70.7	61.2	59.7	64.4	64.0	77.3	60.5	68.9	95	28	59	58	58	59	59	87	90	60	70	77

HURON, S. DAK.
Airport [$\phi=44^{\circ}21' N.$; $\lambda=98^{\circ}14' W.$]

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MONTHLY AND ANNUAL SUMMARIES

75

HELENA, MONT.

Airport [$H=3,893$ ft.; $H_b=3,898$ ft.; $H_t=5$ ft.; $H_r=2$ ft.; $H_a=43$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																		
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below		
January	<i>In.</i> 0.60	<i>In.</i> 0.26	<i>In.</i> 10.6	<i>Mi.</i> 5.4	<i>Mi.</i> 4.4	w.	<i>Mi.</i> 26	w.	0	12	5	14	7	5	13	7	0	14	8	8	7	21	0	0	31	16	0	0
February	.49	.23	11.8	7.8	6.0	w.	30	n.	0	3	6	19	8	4	19	8	0	10	5	5	5	18	0	0	28	9	0	0
March	.51	.23	7.5	6.7	8.8	w.	49	w.	4	5	10	16	9	2	14	9	0	1	1	1	1	0	0	0	31	0	0	0
April	.55	.28	.8	6.9	10.2	w.	37	sw.	3	3	11	16	6	3	8	1	0	0	0	0	0	0	0	0	14	0	1	0
May	2.35	.95	2.5	7.8	9.5	w.	45	s.	2	2	8	21	12	9	7	5	0	1	0	0	0	0	0	0	10	0	5	0
June	1.96	.52	.0	6.7	9.6	w.	41	w.	3	4	11	15	13	11	0	0	2	1	0	0	0	0	0	0	0	0	10	0
July	.48	.13	.0	3.3	9.0	w.	54	sw.	7	15	15	1	10	5	0	0	1	0	0	0	0	9	3	0	0	0	15	0
August	.60	.35	.0	4.1	8.0	w.	46	w.	3	15	12	4	7	2	0	0	1	0	0	0	0	8	2	0	0	9	0	0
September	.66	.60	.1	5.7	8.2	w.	47	w.	3	7	13	10	3	1	2	1	0	1	1	1	1	0	0	0	1	0	3	0
October	.58	.31	T	5.9	8.8	w.	49	nw.	6	11	8	12	8	3	5	1	1	1	0	0	0	0	0	0	12	0	1	0
November	.87	.30	11.5	7.2	8.6	w.	39	sw.	6	3	11	16	9	6	16	6	0	4	3	3	5	0	0	0	28	0	0	0
December	.29	.16	3.1	8.2	8.4	w.	42	w.	5	2	5	24	6	3	15	4	0	4	1	1	1	9	0	0	29	3	0	0
Year	9.94	.95	47.9	6.3	8.3	w.	54	sw.	42	82	115	168	98	54	99	42	5	37	20	19	18	53	17	5	184	28	44	

HONOLULU, T. H.

[$H=12$ ft.; $H_b=38$ ft.; $H_t=86$ ft.; $H_r=68$ ft.; $H_a=100$ ft.]

January	0.17	0.12	0.0	3.4	7.5	ne.	23	sw.	0	18	12	1	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	3.28	.90	.0	5.6	9.9	ne.	38	ne.	2	6	15	7	11	7	0	0	0	0	0	0	0	0	0	0	0	0	1	0
March	1.57	.39	.0	5.7	12.8	ne.	36	ne.	3	8	13	10	17	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	1.12	.73	.0	6.9	11.5	ne.	38	ne.	1	0	19	11	9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	.46	.19	.0	5.7	8.4	ne.	27	ne.	0	9	11	11	6	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	1.11	.72	.0	5.9	10.0	ne.	26	ne.	0	5	18	7	11	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0
July	.29	.17	.0	6.4	8.9	ne.	23	ne.	0	5	14	12	7	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0
August	1.58	1.07	.0	5.1	9.5	ne.	24	ne.	0	13	8	10	13	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	.99	.48	.0	5.4	8.1	ne.	23	ne.	0	8	15	7	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	3.85	2.83	.0	6.0	8.5	ne.	24	e.	0	5	16	10	14	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0
November	3.86	2.28	.0	7.0	8.0	ne.	30	sw.	0	2	14	14	11	7	0	0	0	0	0	0	0	0	0	0	0	0	5	0
December	9.13	2.83	.0	7.0	7.4	ne.	27	ne.	0	3	14	14	15	12	0	0	0	0	0	0	0	0	0	0	0	0	4	0
Year	27.41	2.83	.0	5.8	9.2	ne.	38	ne.	6	82	169	114	126	74	0	0	0	0	0	0	0	0	0	0	0	0	13	0

HOUSTON, TEX.

Airport [$H=51$ ft.; $H_b=62$ ft.; $H_t=24$ ft.; $H_r=21$ ft.; $H_a=80$ ft.] City [$H=41$ ft.; $H_b=138$ ft.; $H_t=157$ ft.; $H_r=149$ ft.; $H_a=190$ ft.]

January	0.98	0.47	0.0	5.2	10.4	n.	29	nw.	0	14	6	11	7	6	0	0	0	3	1	0	2	0	0	0	8	0	2	0
February	2.25	.98	.0	7.9	11.0	e.	29	se.	0	4	4	20	12	8	0	0	0	8	2	2	1	0	0	0	0	0	2	0
March	1.91	1.03	.0	6.2	12.8	se.	33	nw.	2	8	9	14	9	4	0	0	0	10	0	0	0	0	0	0	0	0	1	0
April	5.21	2.09	.0	7.1	12.9	se.	46	se.	5	6	5	19	6	5	0	0	1	11	1	0	2	0	0	0	0	0	5	0
May	1.09	.84	.0	5.9	11.1	se.	33	e.	1	8	11	12	8	5	0	0	0	1	0	0	0	0	0	0	0	0	2	0
June	4.89	1.38	.0	6.2	9.1	se.	29	n.	0	3	18	9	13	10	0	0	0	3	1	0	0	0	18	1	0	0	13	0
July	14.10	4.06	.0	6.5	7.5	se.	27	se.	0	3	16	12	15	12	0	0	0	0	0	0	0	21	0	0	0	0	15	0
August	4.08	.84	.0	7.1	9.2	se.	35	se.	2	0	19	12	15	12	0	0	0	2	0	0	1	0	19	0	0	0	13	0
September	3.28	1.73	.0	6.2	8.6	se.	28	nw.	0	5	11	14	10	9	0	0	0	1	0	0	0	8	0	0	0	0	6	0
October	1.50	.68	.0	4.8	9.2	se.	30	se.	0	10	15	6	6	4	0	0	0	4	3	2	2	0	1	0	0	0	4	0
November	2.55	1.42	.0	4.9	11.3	se.	31	n.	0	11	8	11	4	4	0	0	0	5	5	4	4	0	0	0	0	0	1	0
December	3.43	1.77	.0	5.2	10.8	se.	33	se.	1	12	8	11	8	5	0	0	0	7	5	1	3	0	0	0	0	0	1	0
Year	45.27	4.06	.0	6.1	10.3	se.	46	se.	11	84	130	151	113	84	0	0	1	55	18	9	15	0	67	1	8	0	65	0

HURON, S. DAK.

Airport [$H=1,282$ ft.; $H_b=1,289$ ft.; $H_t=5$ ft.; $H_r=4$ ft.; $H_a=41$ ft.]

January	0.04	0.07	0.7	4.0	13.2	nw.	35	s.	2	17	7	7	2	0	7	2	0	4	0	0	11	0	0	31	9	0	0	
February	.59	.38	7.2	7.5	11.7	n.	40	nw.	2	5	5	18	6	5	17	6	0	15	5	4	2	20	0	0	28	6	0	0
March	3.41	1.87	9.4	7.5	15.6	nw.	43	nw.	7	4	6	21	10	6	15	5	0	8	2	1	1	5	0	0	28	0	1	0
April	2.28	1.48	.0	6.2	15.9	se.	53	s.	9	5	13	12	5	3	0	0	1	3	0	0	0	0	0	11	0	3	0	
May	7.11	1.87	.0	7.0	14.7	se.	53	nw.	7	7	5	19	14	12	0	0	4	8	1	1	1	0	0	0	0	7	0	
June	2.42	.89	.0	6.3	12.5	se.	43	se.	5	6	12	12	10	8	0	0	1	6	0	0	0	0	0	0	0	12	0	
July	3.67	1.83	.0	5.0	9.7	n.	46	ne.	4	9	16	6	11	9	0	0	0	11	0	0	0	0	5	1	0	0	13	
August	1.61	1.03	.0	4.2	11.4	s.	37	se.	3	11	16	4	6	5	0	0	0	11	0	0	0	0	8	1	0	7	0	
September	2.92	1.46	T	5.3	11.5	s.	39	nw.	5	11	8	11	9	6	4	0	0	11	4	3	3	0	1	1	5	0	6	
October	1.30	.56	T	4.2	10.8	nw.	40	w.	4	16	7	8	6	5	4	0	0	9	2	1	1	1	0	0	10	0	2	
November	.19	.12	1.1	5.4	12.8	nw.	46	s.	2	10	9	11	5	2	7	4	0	3	1	1	1	6	0	0	27	2	0	
December	.30	.11	5.7	6.7	10.8	nw.	36	nw.	1	7	6	18	9	3	20	7	0	7	3	2	2	23	0	0	31	11	0	
Year	25.84	1.87	24.1	5.8	12.5	nw.	53	nw.	51	108	110	147	93	64	74	24	6	96	18	13	11	66	14	3	171	28	51	

INDIANAPOLIS, IND.

Airport [$\phi=39^{\circ}44' N.$; $\lambda=86^{\circ}16' W.$] City [$\phi=39^{\circ}46' N.$; $\lambda=86^{\circ}10' W.$]

Month	Pressure				Temperature (°F.)														Moisture									
	Mean		Extremes		Mean														Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Extremes						Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	
In. (1)	In.	In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	% (3)	% (3)	% (3)	% (3)	% (3)		
January	29.18	30.10	29.65	28.32	24.5	23.4	32.4	28.9	23.2	22.4	28.9	26.6	37.0	21.5	29.2	58	-7	20	20	22	22	21	82	86	65	75	77	
February	29.14	30.05	29.49	28.30	25.7	24.6	30.3	29.2	24.5	23.5	27.9	27.2	34.2	23.0	28.6	50	4	22	21	23	24	22	85	85	73	78	80	
March	28.98	29.87	29.33	28.24	38.6	36.5	46.6	44.2	36.2	34.9	41.3	40.2	52.1	35.9	44.0	75	28	33	33	35	35	34	82	86	66	73	77	
April	29.19	30.08	29.47	28.76	50.4	47.5	63.3	59.9	45.7	44.5	53.0	51.3	68.2	47.5	57.8	90	31	41	42	44	44	43	72	81	53	58	66	
May	29.12	29.99	29.42	28.70	57.6	56.1	69.3	65.6	54.5	53.6	60.0	58.7	73.7	55.0	64.4	91	41	52	52	54	54	53	84	86	60	68	74	
June	29.09	29.95	29.34	28.76	65.9	65.8	78.6	74.5	64.0	63.8	69.1	68.3	83.1	64.2	73.6	93	47	63	62	64	65	64	90	89	63	74	79	
July	29.14	30.01	29.30	28.94	70.0	68.5	82.9	80.4	67.3	66.5	71.9	72.5	87.7	68.7	78.2	98	55	66	66	67	69	67	87	90	59	69	76	
August	29.16	30.03	29.44	28.92	66.3	65.0	79.2	75.8	64.3	63.5	69.0	68.6	83.2	65.0	74.1	96	50	63	63	64	65	64	90	92	61	70	78	
September	29.17	30.05	29.60	28.88	58.6	56.2	72.3	66.0	56.2	54.6	62.0	60.2	76.0	56.6	66.3	92	33	54	53	55	56	55	86	90	56	71	76	
October	29.14	30.02	29.40	28.52	50.0	46.5	63.8	56.9	46.8	44.8	54.0	50.5	67.0	47.4	57.2	83	24	44	43	46	45	44	80	88	54	66	72	
November	29.16	30.06	29.56	28.59	42.2	38.2	48.4	45.6	39.6	36.9	43.3	41.7	54.1	37.3	45.7	75	20	36	35	37	37	36	81	88	68	73	77	
December	29.18	30.10	29.70	28.53	25.4	23.7	30.3	28.7	24.7	23.0	28.7	27.5	34.3	22.2	28.2	60	2	23	22	26	25	24	90	90	82	85	87	
Year	29.14	30.03	29.70	28.24	47.9	46.0	58.1	54.6	45.6	44.3	50.8	49.4	62.6	45.4	53.9	98	-7	43	43	45	45	44	84	88	63	72	77	

ITHACA, N. Y.

[$\phi=42^{\circ}27' N.$; $\lambda=76^{\circ}29' W.$]

January	29.09	30.02	29.55	28.34			27.8				24.6		32.1	17.7	24.9					18		18			64		64
February	28.99	29.93	29.51	28.39			24.2				22.0		28.2	14.5	21.4					16		16			71		71
March	28.94	29.86	29.38	27.97			41.1				35.6		44.5	30.1	37.3					28		28			60		60
April	29.13	30.04	29.39	28.69			57.5				46.4		61.0	40.0	50.5					35		35			47		47
May	29.13	30.03	29.42	28.82			66.2				56.0		70.5	49.9	60.2					48		48			55		55
June	29.09	29.98	29.40	28.79			74.4				63.2		77.6	56.5	67.0					56		56			56		56
July	29.11	29.99	29.40	28.87			77.5				66.6		82.2	58.9	70.6					60		60			58		58
August	29.18	30.06	29.50	28.88			75.4				64.3		78.8	56.5	67.6					58		58			56		56
September	29.17	30.07	29.60	28.69			68.3				58.5		72.4	50.2	61.3					51		51			57		57
October	29.16	30.07	29.68	28.62			58.6				50.1		62.2	44.2	53.2					42		42			57		57
November	29.13	30.05	29.66	28.54			43.9				38.7		48.1	31.9	40.0					32		32			63		63
December	29.10	30.04	29.78	28.02			28.2				25.3		31.1	19.0	25.0					20		20			69		69
Year	29.10	30.01	29.78	27.97			53.6				45.9		57.4	39.1	48.2					39		39			59		59

JACKSONVILLE, FLA.

Airport [$\phi=30^{\circ}25' N.$; $\lambda=81^{\circ}39' W.$] City [$\phi=30^{\circ}20' N.$; $\lambda=81^{\circ}39' W.$]

January	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
February	30.10	30.14	30.51	29.64	47.3	44.0	62.0	53.4	44.8	42.4	51.7	48.3	64.8	44.2	54.5	77	25	42	41	41	43	42	82	88	49	68	72
March	29.98	30.03	30.39	29.25	45.8	43.3	56.8	51.2	43.6	41.3	48.3	46.3	60.0	42.9	51.4	79	31	41	39	38	41	40	84	84	53	68	72
April	29.95	30.00	30.27	29.34	54.9	52.8	69.5	61.5	52.1	50.7	57.8	55.1	71.4	52.6	62.0	86	40	50	48	48	49	49	83	86	49	66	71
May	30.05	30.10	30.28	29.68	60.3	60.0	77.0	68.4	56.6	56.7	61.1	60.4	78.2	58.5	68.4	91	43	54	54	49	55	53	81	82	40	63	66
June	29.99	30.04	30.17	29.71	68.4	71.1	82.1	74.8	65.7	66.8	68.1	67.9	84.0	66.8	75.4	88	57	64	64	60	64	63	87	80	49	71	72
July	29.94	29.98	30.14	29.76	74.5	76.5	85.6	79.6	72.3	73.7	75.4	74.0	88.3	72.7	80.5	94	69	71	72	71	72	72	90	88	64	78	80
August	30.04	30.08	30.21	29.80	77.1	79.1	91.0	83.8	73.6	75.0	76.1	75.5	93.7	75.1	84.4	102	69	72	73	70	72	72	85	83	52	70	72
September	30.01	30.06	30.17	29.89	75.9	77.5	87.6	80.4	73.1	74.0	75.5	74.2	89.5	74.3	81.9	96	69	72	72	71	72	72	88	85	58	76	77
October	29.98	30.03	30.22	29.74	73.8	72.8	85.8	77.9	71.9	71.1	74.1	73.3	87.5	70.9	79.2	96	57	71	70	69	72	71	92	92	60	81	81
November	29.97	30.01	30.25	29.77	64.0	63.2	79.5	71.3	62.1	61.2	66.1	65.9	80.3	62.1	71.2	86	44	61	60	58	63	61	90	90	50	76	76
December	30.06	30.11	30.30	29.75	58.1	54.6	72.4	63.5	55.5	52.4	61.1	59.0	74.0	54.7	64.4	84	39	53	50	53	56	53	85	85	53	76	75
Year	30.08	30.12	30.49	29.56	53.1	50.4	65.3	57.3	51.0	49.1	57.1	53.8	68.1	49.1	58.6	82	30	49	48	50	51	50	87	91	61	79	80

JUNEAU, ALASKA

[$\phi=58^{\circ}18' N.$; $\lambda=134^{\circ}24' W.$]

January	29.75	29.84	30.41	29.15	37.1	37.4	37.4	38.2	35.6	35.7	35.6	36.6	42.7	33.2	38.0	49	25	34	33	33	34	34	88	86	86	87	86
February	29.86	29.95	30.40	29.05	35.3	34.4	34.9	37.5	33.8	33.1	33.4	35.0	39.2	32.4	35.8	46	26	31	31	31	31	31	86	87	85	79	84
March	29.70	29.78	30.14	29.02	34.1	32.3	34.3	36.8	31.7	30.8	31.7	33.2	39.6	30.0	34.8	57	15	27	28	27	26	27	76	84	74	68	75
April	29.66	29.75	30.09	29.16	40.9	38.8	42.7	46.2	38.0	36.6	38.6	40.1	48.6	36.4	42.5	57	29	34	33	33	32	33	78	82	70	59	72
May	29.89	29.98	30.20	29.49	51.8	46.7	53.5	58.7	46.8	44.5	47.7	48.9	61.0	45.6	53.3	75	36	42	42	42	39	41	71	85	67	51	68
June	29.90	29.98	30.22	29.44	54.2	49.5	55.2	60.0	50.4	47.6	50.5	52.2	62.5	48.2	55.4	77	40	47	46	46	45	46	78	88	74	61	75
July	29.97	30.06	30.34	29.63	56.5	52.3	56.9	62.3	53.4	50.9	53.5	55.3	64.0	51.1	57.6	80	45	51	50	51	50	50	82	92	81	67	80
August	29.95	30.04	30.24	29.56	55.9	52.8	55.7	60.1	53.5	51.9	53.5	55.1	62.2	51.6	56.9	80	44	52	51	50	51	51	87	94	87	75	86
September	29.94	30.03	30.39	29.51	51.2	49.1	51.9	56.8	49.7	48.1	49.6	51.4	59.0	47.2	53.1	74	38	48	47	47	46	47	90	93	86	72	86
October	29.66	29.75	30.32	29.10	45.0	44.2	44.7	46.1	42.7	42.4	42.8	43.4	48.9	41.5	45.2	55	32	40	40	40	40	40	78	87	86	81	85
November	29.62	29.71	30.10	28.82	31.2	30.5	31.2	32.0	29.2	28.8	29.1	29.6	35.0	27.9	31.4	46	19	25	25	25	25	25	74	84	81	77	74
December	29.65	29.74	30.17	29.16	23.8	23.9	23.8	24.2	22.2	22.2	22.0	22.4	27.5	20.1	23.8	47	7	18	18	18	18	18	76	76	77	75	76
Year	29.80	29.88	30.41	28.82	43.1	41.0	43.5	46.6	40.6	39.4	40.7	41.9	49.2	38.8	44.0	80	7	37	37	37	36	37	81	86	79	71	79

MONTHLY AND ANNUAL SUMMARIES

77

INDIANAPOLIS, IND.

Airport [$H=793$ ft.; $H_b=808$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=54$ ft.] City [$H=718$ ft.; $H_b=823$ ft.; $H_t=98$ ft.; $H_r=96$ ft.; $H_a=129$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 1.20	<i>In.</i> 0.64	<i>In.</i> T	5.8	<i>Mi.</i> 9.3	sw.	32	w.	1	12	3	16	4	3	11	0	1	5	1	1	0	10	0	0	27	3	1
February	3.78	1.44	2.3	7.6	9.8	w.	22	e.	0	5	5	18	9	4	17	7	0	5	3	0	0	13	0	0	24	0	1
March	4.35	1.43	5.3	7.8	9.5	w.	32	nw.	1	5	7	19	13	11	10	7	0	3	0	0	0	1	0	0	12	0	1
April	2.82	1.11	T	5.0	8.6	s.	30	nw.	0	12	11	7	8	7	2	1	0	0	0	0	0	0	1	0	1	0	1
May	5.57	2.13	.0	7.8	8.2	s.	27	sw.	0	1	11	19	13	10	0	0	0	1	0	0	0	0	2	0	0	0	7
June	7.65	2.49	.0	7.1	6.4	s.	22	nw.	0	4	8	18	18	13	0	0	0	1	0	0	0	0	8	0	0	0	12
July	2.91	.97	.0	5.1	6.9	sw.	21	w.	0	9	15	7	10	9	0	0	0	0	0	0	0	13	1	0	0	0	12
August	2.98	.81	.0	5.9	6.5	s.	23	sw.	0	9	11	11	11	9	0	0	0	5	1	0	0	3	1	0	0	0	6
September	3.46	2.32	.0	5.2	7.2	s.	25	w.	0	10	11	9	8	6	0	0	0	1	0	0	0	0	1	0	0	0	4
October	1.11	.64	.0	5.5	7.4	s.	25	s.	0	11	7	13	7	5	0	0	0	1	1	0	0	0	0	0	3	0	0
November	4.60	1.38	1.6	7.1	9.3	s.	31	sw.	0	5	8	17	12	9	4	2	0	4	2	2	1	0	0	0	10	0	4
December	1.70	.47	7.3	7.9	8.7	w.	27	w.	0	6	2	23	15	8	10	8	0	7	4	1	1	13	0	0	25	0	1
Year	42.13	2.49	16.5	6.5	8.1	s.	32	w.	2	89	99	177	128	94	54	25	1	33	12	4	2	37	28	2	102	3	50

ITHACA, N. Y.

[$H=872$ ft.; $H_b=836$ ft.; $H_t=70$ ft.; $H_r=43$ ft.; $H_a=100$ ft.]

January	1.30	0.45	11.0	7.7	10.4	nw.	36	se.	2	5	3	23	16	8	18	13	0	4	1	0	1	14	0	0	27	3	0
February	1.90	1.08	22.8	8.6	11.6	nw.	30	nw.	0	0	6	22	20	10	24	17	0	0	0	0	0	19	0	0	27	3	0
March	4.90	1.81	21.7	8.1	10.2	nw.	38	se.	3	3	6	22	18	11	17	10	0	3	3	1	5	1	0	0	22	0	2
April	1.53	.54	5.8	6.4	9.6	nw.	27	sw.	0	8	7	15	12	9	6	4	0	2	0	0	0	0	0	0	6	0	1
May	3.31	1.21	.0	7.5	8.4	nw.	43	s.	1	2	11	18	14	10	0	0	0	5	2	0	4	0	0	0	1	0	8
June	2.39	1.16	.0	6.3	7.3	nw.	24	se.	0	7	9	14	12	11	0	0	0	3	2	0	1	0	0	0	0	0	4
July	5.54	2.00	.0	6.3	6.4	nw.	24	nw.	0	7	11	13	16	15	0	0	0	2	0	0	0	0	2	0	0	0	8
August	4.68	1.69	.0	6.7	6.2	nw.	22	se.	0	4	13	14	10	7	0	0	0	6	3	0	2	0	0	0	0	0	5
September	3.54	1.26	.0	5.9	8.0	nw.	34	se.	1	7	12	11	14	11	0	0	0	0	0	0	0	0	0	0	1	0	2
October	2.90	1.09	1.1	6.3	8.1	nw.	25	se.	0	7	10	14	12	10	1	1	0	6	1	1	2	0	0	0	2	0	2
November	3.02	.76	2.2	7.4	10.4	nw.	34	s.	1	3	8	19	15	12	8	4	0	7	2	2	2	0	0	0	16	0	0
December	5.56	2.31	17.2	8.8	10.3	nw.	30	s.	0	1	5	25	17	13	7	13	0	2	0	2	1	15	0	0	27	3	0
Year	40.57	2.31	81.8	7.2	8.9	nw.	43	s.	8	54	101	210	176	127	81	62	0	40	14	6	18	49	2	0	129	9	32

JACKSONVILLE, FLA.

Airport [$H=25$ ft.; $H_b=31$ ft.; $H_t=20$ ft.; $H_r=18$ ft. $H_a=56$ ft.] City [$H=18$ ft.; $H_b=43$ ft.; $H_t=86$ ft.; $H_r=78$ ft.; $H_a=110$ ft.]

January	3.13	1.97	0.0	3.7	7.8	nw.	25	sw.	0	14	12	5	5	5	0	0	0	1	0	0	0	0	0	0	3	0	2
February	4.70	1.59	.0	5.3	8.3	nw.	27	w.	0	11	5	12	11	9	0	0	0	3	0	0	0	0	0	0	1	0	0
March	6.05	1.64	.0	5.9	8.2	se.	36	sw.	2	8	11	12	12	10	0	0	0	1	1	1	1	0	0	0	0	0	6
April	.14	.08	.0	3.1	7.4	w.	22	w.	0	21	6	3	3	2	0	0	0	2	1	0	0	0	1	0	0	0	1
May	1.04	.43	.0	4.6	6.9	e.	24	s.	0	12	13	6	6	4	0	0	0	1	0	0	0	0	0	0	0	0	8
June	7.99	1.84	.0	6.7	7.1	sw.	32	sw.	1	2	18	10	18	16	0	0	2	1	0	0	0	12	0	0	0	0	16
July	3.98	1.55	.0	4.9	6.0	sw.	28	sw.	0	8	21	2	14	11	0	0	0	2	0	0	0	0	26	13	0	0	16
August	3.22	.93	.0	5.6	7.3	se.	24	w.	0	5	19	7	13	10	0	0	0	2	1	0	0	0	20	1	0	0	12
September	8.47	1.81	.0	6.1	6.0	e.	26	w.	0	4	16	10	12	9	0	0	0	3	1	0	0	0	11	1	0	0	7
October	.68	.28	.0	3.6	6.9	ne.	19	ne.	0	18	10	3	4	4	0	0	0	5	3	3	2	0	0	0	0	0	1
November	.51	.24	.0	4.6	7.4	ne.	20	ne.	0	12	8	10	8	5	0	0	0	3	3	1	0	0	0	0	0	0	0
December	2.22	1.24	.0	4.8	7.6	ne.	28	w.	0	13	6	12	9	7	0	0	0	11	6	5	2	0	0	0	2	0	1
Year	42.13	1.97	.0	4.9	7.3	s.	36	sw.	3	128	145	92	115	92	0	0	2	35	16	10	5	0	70	15	6	0	70

JUNEAU, ALASKA

[$H=80$ ft.; $H_b=80$ ft.; $H_t=96$ ft.; $H_r=88$ ft.; $H_a=116$ ft.]

January	10.55	1.62	2.5	8.8	8.0	w.	28	se.	0	3	1	27	23	20	5	4	0	16	3	2	0	2	0	0	14	0	0
February	7.54	1.30	12.3	8.2	7.3	s.	24	se.	0	3	3	22	18	15	8	4	0	10	6	3	2	2	0	0	14	0	0
March	7.92	1.21	5.4	8.3	8.4	e.	30	e.	0	4	2	25	21	18	20	16	0	2	1	1	0	3	0	0	17	0	0
April	4.65	1.01	T	8.3	6.6	s.	26	e.	0	4	2	24	21	18	3	0	2	3	0	0	0	0	0	0	4	0	0
May	1.73	.53	.0	7.9	5.6	w.	20	se.	0	4	2	25	13	11	0	0	0	3	0	0	0	0	0	0	0	0	0
June	5.97	1.15	.0	7.8	5.6	s.	24	se.	0	4	4	22	15	14	0	0	0	5	0	0	0	0	0	0	0	0	0
July	6.16	1.90	.0	8.2	5.1	s.	19	w.	0	3	5	23	17	14	0	0	0	8	1	0	0	0	0	0	0	0	0
August	7.56	2.24	.0	8.1	5.7	s.	22	se.	0	4	4	23	24	20	0	0	0	16	4	0	1	0	0	0	0	0	0
September	8.39	2.53	.0	7.6	4.6	s.	28	se.	0	5	5	20	16	15	0	0	0	15	6	5	1	0	0	0	0	0	0
October	17.15	3.23	.0	9.7	8.7	se.	32	e.	1	0	1	30	27	26	0	0	1	10	3	2	1	0	0	0	0	0	0
November	5.07	1.44	29.4	8.0	7.7	w.	36	ne.	1	5	3	22	18	15	18	15	0	3	1	1	0	10	0	0	22	0	0
December	4.60	1.54	35.8	8.2	7.8	se.	29	se.	0	4	3	24	22	18	22	20	0	4	1	1	1	20	0	0	30	0	0
Year	87.29	3.23	85.4	8.3	6.8	s.	36	ne.	2	43	35	287	235	204	76	59	3	95	26	15	6	37	0	0	101	0	0

KALISPELL, MONT.
[$\phi=48^{\circ}10' N.$; $\lambda=114^{\circ}25' W.$]

Month	Pressure				Temperature (° F.)														Moisture																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						Maximum	Minimum	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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KANSAS CITY, MO.
Airport [$\phi=39^{\circ}7' N.$; $\lambda=94^{\circ}35' W.$]

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KETCHIKAN, ALASKA
[$\phi=55^{\circ}21' N.$; $\lambda=131^{\circ}39' W.$]

January	29.87	29.89	30.48	29.23	42.3	40.8	41.4	43.6	39.2	38.8	39.4	40.8	47.3	37.5	42.4	58	25	35	36	37	37	36	78	85	85	79	82
February	29.96	29.99	30.54	29.28	37.9	36.6	38.8	42.7	36.0	34.9	36.6	39.0	44.0	33.5	38.8	50	21	33	33	34	34	33	83	85	82	72	81
March	29.82	29.84	30.17	29.24	38.4	37.2	39.8	42.6	36.2	35.3	37.2	38.6	44.9	34.1	39.5	60	23	33	32	33	33	33	81	83	78	71	78
April	29.75	29.77	30.18	29.20	43.2	40.8	44.5	47.8	40.3	38.8	41.1	42.7	50.4	37.5	44.0	60	30	37	36	37	37	37	79	85	76	68	77
May	29.95	29.97	30.28	29.60	49.4	46.7	53.2	55.8	47.1	45.4	49.0	50.3	59.0	44.8	51.9	78	35	45	44	45	45	45	85	91	76	70	80
June	29.98	30.00	30.27	29.48	53.5	49.9	57.9	60.3	51.1	48.7	53.0	53.8	62.7	48.9	55.8	77	43	49	48	49	48	48	85	92	73	66	79
July	30.03	30.05	30.36	29.66	60.2	55.4	63.1	67.3	55.8	53.5	57.4	58.3	69.8	53.7	61.8	81	45	53	52	53	52	52	77	89	71	59	74
August	30.04	30.06	30.28	29.76	58.0	55.1	60.7	64.4	55.7	53.8	57.0	57.9	67.2	53.3	60.2	88	47	54	53	54	54	54	86	92	81	70	82
September	30.02	30.04	30.42	29.55	54.1	51.9	57.8	61.2	52.1	50.2	53.6	54.6	63.6	49.6	56.6	79	43	50	48	50	49	49	88	89	77	68	81
October	29.83	29.85	30.35	29.04	47.4	46.6	48.2	49.6	45.4	44.8	46.1	46.7	51.9	43.2	47.6	56	34	43	43	44	44	43	87	88	86	80	85
November	29.67	29.69	30.11	28.80	37.0	36.2	38.0	39.3	35.3	34.6	35.7	36.3	42.4	32.6	37.5	51	22	33	32	32	32	32	84	85	80	75	81
December	29.68	29.70	30.12	29.11	35.2	34.1	35.5	36.0	33.8	33.2	34.4	34.6	39.1	30.7	34.9	52	19	32	32	33	32	32	87	91	90	86	88
Year	29.88	29.90	30.54	28.80	46.4	44.3	48.2	50.9	44.0	42.7	45.0	46.1	53.5	41.6	47.6	88	19	41	41	42	41	41	83	88	80	72	81

KEY WEST, FLA.
Airport [$\phi=24^{\circ}35' N.$; $\lambda=81^{\circ}41' W.$] City [$\phi=24^{\circ}33' N.$; $\lambda=81^{\circ}48' W.$]

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MONTHLY AND ANNUAL SUMMARIES

79

KALISPELL, MONT.

[H=2,956 ft.; H_b=2,973 ft.; H_t=48 ft.; H_r=40 ft.; H_a=56 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 0.79	<i>In.</i> 0.24	<i>In.</i> 8.1	8.7	<i>Mi.</i> 3.6	w.	13	sw.	0	1	4	26	11	6	23	8	0	22	11	8	5	23	0	0	29	9	0
February	1.48	.57	25.0	8.0	4.4	w.	18	n.	0	2	6	20	14	8	23	13	0	6	2	2	1	13	0	0	28	4	0
March	.49	.17	5.4	7.2	5.2	w.	20	sw.	0	4	7	20	8	6	14	6	1	2	3	2	0	0	0	0	27	0	1
April	1.43	.54	1.0	6.8	6.4	w.	26	n.	0	5	9	16	11	7	5	2	1	1	0	0	0	0	0	0	9	0	3
May	3.92	.90	T	7.6	6.3	w.	20	sw.	0	2	9	20	19	13	3	0	2	0	0	0	0	0	0	0	2	0	7
June	4.13	1.09	.0	7.5	5.8	w.	21	sw.	0	3	8	19	18	14	0	0	2	0	0	0	0	0	0	0	0	10	0
July	2.72	.72	.0	3.7	6.2	w.	25	sw.	0	15	11	5	14	10	0	0	3	0	0	0	0	0	0	0	0	13	0
August	.90	.63	.0	3.4	5.8	w.	20	w.	0	19	7	5	4	4	0	0	0	0	0	0	0	0	1	0	0	2	0
September	.31	.18	.0	5.3	5.5	w.	22	w.	0	11	9	10	4	3	0	0	1	0	0	0	0	0	0	0	1	0	4
October	.74	.33	T	6.8	5.1	nw.	20	w.	0	7	7	17	9	5	3	0	0	4	2	2	0	0	0	0	10	0	0
November	2.39	.44	22.1	8.9	4.9	nw.	20	sw.	0	1	4	25	15	11	19	11	0	3	3	3	4	11	0	0	27	0	0
December	1.51	.38	18.5	9.1	4.4	w.	27	sw.	0	0	5	26	18	10	21	14	0	10	5	3	2	11	0	0	27	0	0
Year	20.81	1.09	80.1	6.9	5.3	w.	27	sw.	0	70	86	209	145	97	111	54	10	48	26	20	12	58	1	0	160	13	40

KANSAS CITY, MO.

Airport [H=743 ft.; H_b=750 ft.; H_t=39 ft.; H_r=3 ft.; H_a=76 ft.]

January	0.14	0.20	0.6	4.3	10.9	sw.	32	nw.	3	14	9	8	2	1	5	1	0	7	5	0	2	11	0	0	24	2	0
February	3.16	1.28	5.1	7.2	10.5	nw.	33	nw.	1	5	7	16	14	9	16	8	0	6	1	1	1	4	0	0	24	0	3
March	2.62	1.33	T	6.1	13.0	nw.	41	nw.	5	10	5	16	6	5	5	0	1	5	2	1	1	0	0	0	11	0	5
April	4.58	2.43	.0	5.8	13.1	s.	37	sw.	5	9	8	13	9	6	0	0	0	2	0	0	0	0	0	0	0	0	4
May	3.68	1.09	.0	5.9	11.5	sw.	32	sw.	1	9	10	12	12	10	0	0	1	6	2	2	2	0	2	0	0	0	8
June	7.35	2.51	.0	6.7	9.5	se.	50	nw.	3	5	11	14	19	16	0	0	0	6	0	0	1	0	7	1	0	0	14
July	2.69	1.47	.0	3.8	10.5	sw.	30	nw.	0	14	15	2	5	4	0	0	0	3	0	1	2	0	20	10	0	8	
August	5.80	2.53	.0	4.9	8.7	sw.	37	nw.	1	14	7	10	9	9	0	0	0	7	0	1	1	0	7	1	0	7	
September	3.15	1.12	.0	5.4	10.5	sw.	40	nw.	1	10	10	10	11	8	0	0	0	5	1	0	0	5	1	0	0	4	
October	2.68	1.84	.0	4.1	8.9	sw.	32	sw.	1	15	7	9	5	4	0	0	0	8	3	1	2	0	0	0	2	0	1
November	2.74	.99	.1	6.5	12.1	sw.	40	sw.	5	9	4	17	12	10	5	2	0	5	1	1	1	1	0	0	8	0	4
December	2.43	1.21	10.0	6.5	9.9	ne.	30	nw.	0	8	8	15	8	6	14	6	0	10	2	3	1	7	0	0	27	0	1
Year	41.02	2.53	15.8	5.6	10.8	sw.	50	nw.	26	122	101	142	112	88	45	17	2	70	17	11	14	23	41	13	96	2	59

KETCHIKAN, ALASKA

[H=10 ft.; H_b=20 ft.; H_t=69 ft.; H_r=67 ft.; H_a=90 ft.]

January	14.77	3.25	T	9.0	9.0	se.	35	se.	4	2	2	27	24	22	2	0	0	7	3	2	1	0	0	0	8	0	0
February	5.72	2.49	1.6	7.6	5.8	se.	33	s.	1	5	3	20	16	8	3	2	0	2	2	2	2	1	0	0	10	0	0
March	15.25	2.36	6.1	9.1	8.1	se.	28	se.	0	0	3	3	28	25	24	14	9	2	0	0	0	0	0	0	9	0	1
April	14.00	2.93	T	8.2	8.5	se.	27	se.	0	3	3	3	24	21	17	3	0	2	1	1	1	0	0	0	5	0	0
May	6.72	1.35	.0	8.1	6.7	se.	27	se.	0	3	6	22	16	16	0	0	2	4	3	2	1	0	0	0	0	0	0
June	2.33	.61	.0	8.3	6.0	se.	21	se.	0	2	5	23	16	11	0	0	0	0	0	0	0	0	0	0	0	0	1
July	2.70	.72	.0	6.8	6.8	w.	23	se.	0	7	6	18	10	9	0	0	0	1	1	1	0	0	0	0	0	0	0
August	5.18	1.65	.0	7.3	6.5	se.	22	nw.	0	4	9	18	15	14	0	0	0	2	2	2	2	0	0	0	0	0	0
September	8.05	3.44	.0	6.5	6.3	se.	24	nw.	0	8	8	14	13	11	0	0	0	4	0	0	0	0	0	0	0	0	0
October	25.82	6.00	.0	9.2	8.6	se.	34	se.	2	0	3	28	26	25	0	0	0	2	0	0	0	0	0	0	0	0	0
November	22.58	6.33	6.1	7.9	7.2	se.	29	se.	0	4	4	22	20	20	13	9	0	2	1	0	0	0	0	0	12	0	1
December	16.02	3.64	15.1	9.5	6.4	se.	31	se.	0	0	2	29	26	26	20	15	0	0	0	0	0	1	0	0	17	0	0
Year	139.14	6.33	28.9	8.1	7.2	se.	35	se.	7	38	54	273	228	203	55	35	6	25	13	10	5	1	0	0	61	0	3

KEY WEST, FLA.

Airport [H=7 ft.; H_b=11 ft.; H_t=5 ft.; H_r=3 ft.; H_a=75 ft.] City [H=5 ft.; H_b=21 ft.; H_t=10 ft.; H_r=3 ft.; H_a=64 ft.]

January	2.38	1.22	0.0	5.4	9.9	ne.	27	nw.	0	11	10	10	9	7	0	0	0	1	1	0	0	0	0	0	0	0	2
February	1.46	.90	.0	4.4	11.4	ne.	35	w.	2	14	9	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	1
March	2.74	1.14	.0	4.4	11.7	se.	34	nw.	3	13	11	7	12	10	0	0	0	0	0	0	0	0	0	0	0	9	2
April	4.15	3.90	.0	3.6	10.8	e.	23	nw.	0	16	10	4	3	3	0	0	0	0	0	0	0	0	0	0	0	0	3
May	1.07	.88	.0	3.6	8.6	e.	24	se.	0	19	7	5	7	5	0	0	0	0	0	0	0	0	0	0	0	0	4
June	9.10	3.68	.0	5.8	8.0	e.	29	se.	0	10	8	12	12	12	0	0	0	0	0	0	0	0	2	0	0	0	8
July	.33	.13	.0	4.5	9.6	e.	24	e.	0	7	23	1	8	4	0	0	0	0	0	0	0	0	19	0	0	11	
August	1.53	.67	.0	5.4	10.2	e.	27	se.	0	5	21	5	14	7	0	0	0	0	0	0	0	0	17	0	0	9	
September	2.79	.81	.0	5.1	9.1	e.	25	se.	0	6	21	3	13	10	0	0	0	0	0	0	0	7	0	0	0	9	
October	.95	.40	.0	2.5	8.4	ne.	21	ne.	0	25	5	1	9	5	0	0	0	0	0	0	0	0	0	0	0	1	
November	1.74	.97	.0	3.9	10.8	ne.	22	e.	0	10	19	1	10	7	0	0	0	0	0	0	0	0	0	0	0	0	
December	.79	.40	.0	5.7	10.2	ne.	27	nw.	0	9	11	11	4	3	0	0	0	3	1	1	1	0	0	0	0	0	
Year	29.03	3.90	.0	4.5	9.9	e.	35	w.	5	145	155	65	104	76	0	0	0	4	2	1	1	0	45	0	0	50	

UNITED STATES METEOROLOGICAL YEARBOOK

KNOXVILLE, TENN.

³ Airport [$\phi=35^{\circ}49'$ N.; $\lambda=83^{\circ}59'$ W.] City [$\phi=35^{\circ}58'$ N.; $\lambda=83^{\circ}55'$ W.]

Month	Pressure				Temperature (° F.)													Moisture									
	Mean		Extremes		Mean													Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Extremes					Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
			In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	% (2)	% (2)	% (2)	% (2)	% (2)
January	29.06	30.14	29.45	28.45	34.6	30.4	43.9	40.8	31.5	28.3	36.7	35.4	48.4	26.6	37.5	69	1	(2)	(2)	(2)	(2)	(2)	71	77	51	59	65
February	28.96	30.05	29.37	28.31	33.7	30.2	41.3	38.5	30.9	28.3	35.4	34.0	45.1	27.1	36.1	59	13	(2)	(2)	(2)	(2)	(2)	72	80	56	63	68
March ³	28.88	29.95	29.16	28.26	45.9	41.3	58.3	54.0	41.6	38.7	47.8	45.5	62.1	38.3	50.2	81	22	(2)	(2)	(2)	(2)	(2)	73	80	47	54	63
April	29.04	30.10	29.34	28.54	55.1	51.5	71.9	67.2	48.6	46.8	55.1	53.5	75.5	47.6	61.6	92	28	(2)	(2)	(2)	(2)	(2)	74	81	41	41	52
May	28.99	30.03	29.21	28.69	62.4	60.2	75.3	72.2	57.5	56.9	62.2	61.5	79.6	56.0	67.8	89	43	(2)	(2)	(2)	(2)	(2)	75	82	50	56	66
June	28.94	29.97	29.16	28.74	71.0	70.8	83.6	80.1	67.2	67.2	70.3	70.3	87.7	65.7	76.7	95	52	(2)	(2)	(2)	(2)	(2)	76	85	53	63	70
July	29.02	30.06	29.20	28.86	72.2	72.5	85.7	80.3	69.5	69.6	73.3	72.1	89.0	68.5	78.8	96	63	(2)	(2)	(2)	(2)	(2)	77	88	57	69	75
August	29.02	30.05	29.28	28.84	69.4	68.0	82.0	76.9	67.6	66.5	71.1	70.3	84.9	65.2	75.0	97	55	(2)	(2)	(2)	(2)	(2)	78	91	62	73	79
September	29.03	30.08	29.42	28.64	63.7	60.8	76.9	71.7	61.3	59.4	65.0	64.7	80.7	57.8	69.2	92	37	(2)	(2)	(2)	(2)	(2)	79	87	54	69	76
October	29.01	30.06	29.28	28.56	54.2	50.0	69.3	62.0	51.7	48.8	57.3	55.7	72.3	47.6	60.0	83	29	(2)	(2)	(2)	(2)	(2)	80	86	49	64	73
November	29.07	30.14	29.36	28.68	47.4	43.1	42.8	53.8	43.3	40.8	49.4	47.0	62.3	40.1	51.2	78	22	(2)	(2)	(2)	(2)	(2)	81	82	51	60	66
December	29.04	30.12	29.46	28.25	37.0	35.1	43.2	40.8	35.0	33.7	38.9	37.6	47.2	30.6	38.9	71	13	(2)	(2)	(2)	(2)	(2)	82	86	69	74	78
Year	29.01	30.06	29.46	28.25	53.9	51.2	64.5	61.6	50.5	48.8	55.2	54.0	69.6	47.6	58.6	97	1	(2)	(2)	(2)	(2)	(2)	78	84	52	62	69

LA CROSSE, WIS.

Airport [$\phi=43^{\circ}56'$ N.; $\lambda=91^{\circ}17'$ W.] City [$\phi=43^{\circ}49'$ N.; $\lambda=91^{\circ}15'$ W.]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)					(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.26	30.07	29.81	28.75	17.5	16.0	23.0	20.9	16.4	15.0	20.8	19.1	29.0	12.8	20.9	50	-21	13	12	16	14	14	81	84	72	74	77
February	29.32	30.14	29.61	28.72	17.0	14.6	23.6	22.5	15.8	13.8	21.2	20.6	28.0	14.4	21.2	40	-18	12	11	15	16	14	81	85	68	73	77
March	29.04	29.82	29.47	28.52	33.5	31.3	40.3	39.0	31.1	29.4	35.7	35.0	44.7	30.6	37.6	68	19	28	26	29	30	28	79	82	66	69	74
April	29.25	30.02	29.72	28.62	46.6	42.5	59.4	59.6	41.9	39.7	48.9	49.0	65.4	42.9	54.2	86	28	36	36	38	38	37	69	79	47	47	60
May	29.16	29.93	29.56	28.56	52.3	50.2	61.4	61.3	49.5	48.2	53.4	53.8	66.5	47.9	57.2	82	35	47	46	46	48	47	83	87	61	63	74
June	29.18	29.94	29.42	28.79	62.5	61.4	72.2	72.4	59.7	58.8	63.8	64.4	76.5	58.9	67.7	86	45	58	57	59	60	58	85	86	64	65	75
July	29.20	29.96	29.45	28.90	64.9	64.5	76.5	76.4	63.0	62.4	66.3	67.7	81.0	61.9	71.4	95	51	62	61	63	62	91	90	59	65	76	
August	29.21	29.97	29.51	28.92	64.8	63.1	74.9	75.1	62.3	61.2	66.3	67.0	79.5	61.0	70.2	91	44	61	60	61	63	61	88	90	64	66	77
September	29.23	30.00	29.70	28.82	54.2	53.1	63.3	61.5	52.5	51.5	56.2	56.3	67.1	50.5	58.8	85	27	51	50	50	52	51	89	90	65	72	79
October	29.19	29.97	29.60	28.56	43.5	40.6	57.1	52.2	41.4	39.2	48.4	46.0	62.2	40.0	51.1	75	20	39	37	40	40	39	84	88	55	62	72
November	29.20	29.99	29.73	28.63	33.5	30.2	39.2	36.1	31.2	28.6	34.5	32.8	43.7	29.0	36.4	64	5	28	26	28	28	27	79	84	64	72	74
December	29.30	30.11	29.91	28.72	15.6	14.8	19.7	17.8	14.9	14.2	18.5	16.9	24.6	11.7	18.2	38	-6	13	12	15	14	14	88	89	81	84	85
Year	29.21	29.99	29.91	28.52	42.2	40.2	50.9	49.6	40.0	38.5	44.5	44.0	55.7	38.5	47.1	95	-21	37	36	38	39	38	83	86	64	68	75

LANDER, WYO.

[$\phi=42^{\circ}50'$ N.; $\lambda=108^{\circ}45'$ W.]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	24.76	30.40	25.17	24.31	7.0	3.8	13.3	17.1	5.9	2.6	11.3	15.1	23.0	-1.7	10.6	48	-32	1	-4	4	9	2	75	69	66	69	70
February	24.56	30.11	24.80	24.23	10.8	6.8	18.1	22.0	9.3	5.9	15.6	19.7	25.6	1.5	13.6	43	-28	4	3	9	15	8	72	82	65	72	
March	24.57	30.00	24.94	24.09	27.8	22.6	35.4	39.8	24.4	20.5	29.1	32.1	42.6	19.2	30.9	59	5	18	16	19	20	18	68	75	50	48	60
April	24.54	29.83	24.95	24.10	44.0	38.5	51.5	56.4	37.5	34.2	40.1	42.3	59.5	34.9	47.2	74	26	30	29	26	26	28	59	69	41	35	51
May	24.58	29.87	24.94	24.19	46.7	39.9	53.7	58.5	40.7	36.9	43.1	45.0	61.6	37.8	49.7	85	26	35	34	32	32	33	66	79	48	40	58
June	24.63	29.85	25.09	24.31	55.1	47.8	65.6	71.1	46.5	42.8	51.0	51.9	74.5	45.5	60.0	87	37	39	38	39	35	38	56	70	38	28	48
July	24.76	29.95	25.04	24.54	66.3	56.7	78.5	82.6	53.0	49.5	59.0	58.8	87.7	54.8	71.2	94	50	43	44	46	42	44	63	33	26	42	
August	24.71	29.90	25.00	24.47	64.9	53.7	74.5	80.8	50.4	47.2	56.1	57.5	84.0	51.4	67.7	92	44	38	42	44	41	41	39	65	34	26	41
September	24.71	29.97	24.98	24.39	52.6	46.1	62.7	67.0	44.1	41.5	49.8	51.1	71.2	42.6	56.9	84	26	36	37	39	38	38	57	74	46	38	54
October	24.72	30.06	25.08	24.29	41.7	36.3	50.9	54.1	36.5	33.4	41.6	43.1	58.6	32.5	45.6	80	19	31	30	32	32	31	67	78	52	48	61
November	24.60	30.04	25.10	23.97	26.0	24.5	33.4	34.0	23.2	22.1	28.8	29.6	42.2	16.7	29.4	67	-5	19	18	22	23	21	76	77	66	67	71
December	24.60	30.07	25.00	24.17	25.5	21.1	30.4	32.4	22.2	18.8	26.9	27.5	39.9	15.0	27.4	57	-6	16	14	18	20	17	66	73	60	59	64
Year	24.65	30.00	25.17	23.97	39.0	33.2	47.3	51.3	32.8	29.6	37.6	39.5	55.9	29.2	42.5	94	-32	26	25	28	28	27	62	73	50	46	58

LANSING, MICH.

Airport [$\phi=42^{\circ}47'$ N.; $\lambda=84^{\circ}36'$ W.] City [$\phi=42^{\circ}44'$ N.; $\lambda=84^{\circ}29'$ W.]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)			(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	29.05	30.03	29.45	28.06	21.3	20.6	27.5	24.3	20.0	19.6	25.4	22.7	29.6	16.9	23.2	48	—9	17	17	21	19	19	82	87	76	79	81
February	29.07	30.06	29.44	28.48	17.8	16.4	24.3	21.5	17.0	15.8	22.5	20.1	27.2	14.0	20.6	39	—2	15	14	18	17	16	88	90	76	79	83
March	28.88	29.85	29.29	27.85	33.0	31.4	39.2	36.5	31.3	29.9	34.9	33.3	43.6	29.9	36.8	57	21	29	27	29	29	28	83	84	67	73	77
April	29.12	30.08	29.45	28.65	44.8	44.0	60.1	56.4	40.8	40.0	48.8	47.3	63.3	39.6	51.4	84	27	36	36	38	38	37	73	73	47	54	62
May	29.04	29.98	29.38	28.62	53.4	53.4	65.0	62.4	50.2	49.9	56.2	55.2	67.5	48.5	58.0	87	36	48	47	50	50	48	82	80	60	65	72
June	29.04	29.97	29.35	28.68	61.2	63.3	75.1	71.9	58.7	59.8	65.4	64.4	76.5	57.4	67.0	88	43	57	58	60	60	59	87	82	60	68	74
July	29.06	30.00	29.24	28.85	63.6	66.0	78.8	75.9	60.7	63.0	67.1	66.6	79.9	60.6	70.2	92	48	59	61	61	61	60	85	85	56	62	72
August	29.10	30.04	29.43	28.83	63.1	62.8	76.3	73.2	62.9	60.3	65.7	65.3	76.9	58.8	67.8	86	44	59	59	60	62	60	88	87	58	70	76
September	29.09	30.03	29.63	28.68	55.0	54.9	67.3	61.0	53.2	53.0	59.4	56.5	68.7	50.2	59.4	83	29	51	52	54	53	53	88	89	63	77	79
October	29.05	30.00	29.47	28.37	46.4	44.5	57.8	51.7	44.3	42.5	50.2	47.5	59.6	41.5	50.6	78	28	42	40	44	44	42	86	85	61	75	77
November	29.06	30.03	29.55	28.40	37.1	34.8	42.5	39.7	35.0	32.8	38.2	37.0	47.1	30.7	38.9	65	14	32	30	33	33	32	83	83	69	78	78
December	29.07	30.06	29.66	28.26	23.3	22.3	27.2	24.2	22.4	21.3	25.6	23.2	28.5	18.8	23.6	43	—1	20	19	22	21	21	88	86	81	86	85
Year	29.05	30.01	29.66	27.85	43.3	42.9	53.4	49.8	41.2	40.7	46.6	44.9	55.7	38.9	47.3	92	—9	39	38	41	41	40	84	84	64	72	76

MONTHLY AND ANNUAL SUMMARIES

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KNOXVILLE, TENN.

Airport [$H=950$ ft.; $H_b=980$ ft.; $H_t=27$ ft.; $H_r=35$ ft.; $H_a=53$ ft.] City [$H=921$ ft.; $H_b=995$ ft.; $H_t=66$ ft.; $H_r=57$ ft.; $H_a=84$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature		Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below
January	<i>In.</i> 4.25	<i>In.</i> 1.50	<i>In.</i> 1.9	6.1	<i>Mi.</i> 5.8	w.	24	w.	0	8	10	13	10	8	7	1	0	3	1	1	1	4	0	0	21	0	0
February	3.72	1.51	8.7	7.0	7.1	ne.	37	sw.	1	5	7	16	9	8	9	2	0	6	2	1	0	0	0	0	22	0	1
March	5.02	1.31	13.0	6.5	8.8	sw.	35	sw.	2	8	6	17	12	12	3	3	0	12	4	4	2	0	0	0	8	0	4
April	.84	.66	.0	3.8	7.5	sw.	34	w.	2	14	10	6	5	2	0	0	0	2	1	1	1	0	1	0	3	0	2
May	5.20	2.23	.0	5.6	6.6	ne.	29	w.	0	9	13	9	14	13	0	0	0	10	4	2	1	0	0	0	0	0	9
June	2.04	.65	.0	4.5	7.2	sw.	32	w.	1	11	16	3	13	9	0	0	0	13	2	1	1	0	11	1	0	0	10
July	9.19	4.69	.0	5.9	6.8	sw.	43	nw.	5	4	18	9	13	13	0	0	0	16	2	2	2	0	14	1	0	0	16
August	8.88	3.09	.0	6.1	6.0	ne.	33	sw.	1	8	11	12	14	13	0	0	0	27	13	10	8	0	6	1	0	0	11
September	2.82	1.44	.0	4.9	5.8	ne.	39	w.	1	12	10	8	9	6	0	0	0	21	10	8	5	0	3	0	0	0	3
October	3.12	1.03	.0	4.8	6.1	ne.	27	sw.	0	11	13	7	8	7	0	0	0	25	10	8	7	0	0	0	2	0	3
November	.97	.40	.0	5.1	7.2	ne.	35	sw.	1	12	6	12	5	3	0	0	0	9	3	2	2	0	0	0	6	0	1
December	8.30	1.84	6.1	7.0	8.5	ne.	38	sw.	2	5	10	16	17	13	3	2	0	18	13	8	3	1	0	0	17	0	1
Year	54.35	4.69	29.7	5.6	6.9	ne.	43	nw.	16	107	130	128	129	107	22	8	0	162	65	48	33	5	35	3	79	0	61

LA CROSSE, WIS.

Airport [$H=664$ ft.; $H_b=672$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=82$ ft.] City [$H=674$ ft.; $H_b=714$ ft.; $H_t=11$ ft.; $H_r=3$ ft.; $H_a=48$ ft.]

January	0.59	0.57	5.7	5.1	6.1	s.	21	nw.	0	12	7	12	3	1	7	2	0	11	1	1	2	13	0	0	29	9	0
February	.93	.70	11.8	7.3	4.9	nw.	15	nw.	0	5	6	17	5	2	15	5	0	12	1	0	1	17	0	0	27	4	0
March	2.76	1.09	2.8	8.2	6.3	w.	22	w.	0	3	5	23	14	11	15	8	0	9	0	0	0	0	0	0	20	0	3
April	1.28	.57	T	5.3	6.3	s.	22	s.	0	10	10	10	7	14	3	0	1	3	0	0	0	0	0	0	4	0	6
May	5.92	1.02	.0	7.5	4.8	w.	22	s.	0	4	6	21	14	14	0	0	1	8	2	0	0	0	0	0	0	0	7
June	6.66	3.97	.0	7.1	4.3	s.	15	w.	0	4	8	18	13	12	0	0	0	2	0	0	0	0	0	0	0	0	9
July	4.12	1.04	.0	6.3	4.1	w.	14	sw.	0	8	10	13	12	9	0	0	0	8	0	0	0	3	1	0	0	0	14
August	3.18	1.19	.0	5.8	4.5	s.	13	s.	0	9	10	12	9	6	0	0	0	13	2	0	1	0	1	0	0	0	8
September	6.86	3.29	.2	6.9	4.7	s.	20	s.	0	7	7	16	15	12	2	1	0	16	4	1	0	0	0	0	4	0	7
October	2.71	1.78	T	4.0	4.8	w.	17	w.	0	17	5	9	8	6	4	0	0	14	3	0	1	0	0	0	6	0	1
November	2.68	.68	10.8	7.3	6.2	s.	21	w.	0	3	10	17	9	9	7	4	0	10	3	0	0	5	0	0	22	0	0
December	1.86	.68	10.1	7.9	5.6	s.	17	s.	0	4	4	23	8	6	19	6	0	13	0	0	0	26	0	0	31	5	0
Year	39.55	3.97	41.4	6.6	5.2	s.	22	w.	0	86	88	191	117	94	72	26	2	119	16	2	5	61	4	1	143	18	55

LANDER, WYO.

[$H=5,351$ ft.; $H_b=5,352$ ft.; $H_t=60$ ft.; $H_r=54$ ft.; $H_a=68$ ft.]

January	0.55	0.33	6.3	4.3	2.9	sw.	15	sw.	0	13	14	4	6	4	7	6	0	3	2	2	2	23	0	0	31	16	0
February	1.22	.43	12.6	5.6	3.5	sw.	27	w.	0	8	11	9	9	8	11	9	0	1	0	0	0	21	0	0	28	12	0
March	.80	.54	8.3	4.7	5.0	sw.	21	n.	0	14	9	8	6	4	7	3	0	0	0	0	0	1	0	0	31	0	0
April	1.35	.50	3.9	6.6	6.5	sw.	36	sw.	1	3	16	11	9	5	3	2	1	0	0	0	0	0	0	0	12	0	0
May	4.24	1.26	28.0	6.6	6.1	sw.	30	sw.	0	5	13	13	11	7	6	6	1	0	0	0	0	0	0	0	8	0	4
June	.04	.04	.0	5.1	5.7	sw.	30	sw.	0	9	14	7	1	1	0	0	0	0	0	0	0	0	0	0	0	0	4
July	.28	.20	.0	3.8	5.5	sw.	30	nw.	0	16	14	1	4	2	0	0	1	0	0	0	0	0	11	0	0	0	10
August	.08	.05	.0	3.8	5.1	sw.	32	sw.	1	14	14	3	4	1	0	0	0	1	0	0	0	0	3	0	0	0	7
September	1.69	1.46	1.7	4.7	5.2	sw.	32	w.	1	11	11	8	5	3	1	1	0	0	0	0	0	0	0	0	3	0	0
October	3.40	1.21	6.3	5.0	4.3	sw.	25	sw.	0	14	6	11	9	8	3	3	0	0	0	0	0	0	0	0	12	0	1
November	2.35	.99	23.2	5.5	5.6	sw.	43	sw.	2	8	11	11	9	7	8	7	0	4	3	1	1	7	0	0	29	2	0
December	.15	.13	2.1	5.6	5.0	sw.	32	w.	1	6	20	5	2	1	5	2	0	0	0	0	0	7	0	0	30	3	0
Year	16.15	1.46	92.4	5.1	5.0	sw.	43	sw.	6	121	153	91	75	51	51	42	3	9	5	3	3	59	14	0	184	33	26

LANSING, MICH.

Airport [$H=859$ ft.; $H_b=874$ ft.; $H_t=4$ ft.; $H_r=3$ ft.; $H_a=43$ ft.] City [$H=856$ ft.; $H_b=873$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=90$ ft.]

January	2.15	0.99	13.9	7.4	10.0	sw.	29	sw.	0	5	7	19	13	7	14	11	0	7	5	2	2	12	0	0	30	6	0
February	.84	.23	10.1	7.7	8.7	nw.	22	n.	0	2	9	17	13	7	23	13	0	3	1	1	0	21	0	0	28	3	0
March	4.70	1.95	10.7	7.9	10.3	nw.	27	sw.	0	3	7	21	16	8	14	12	0	2	2	1	0	2	0	0	23	0	1
April	.88	.47	3.4	5.0	8.9	s.	28	sw.	0	11	11	8	6	5	3	3	0	0	0	0	0	0	0	0	8	0	1
May	5.25	1.18	.0	6.9	8.3	s.	40	nw.	1	6	9	16	13	10	0	0	0	0	0	0	0	0	0	0	0	0	7
June	4.48	1.84	.0	6.0	6.5	e.	21	nw.	0	5	14	11	14	9	0	0	0	1	0	0	0	0	0	0	0	0	7
July	4.33	.90	.0	4.7	6.6	sw.	21	s.	0	12	10	9	11	10	0	0	0	2	1	1	1	0	0	0	0	0	8
August	2.36	.80	.0	5.4	6.5	s.	21	sw.	0	10	10	11	9	6	0	0	0	2	1	1	1	0	0	0	0	0	7
September	2.16	.46	T	6.2	7.5	s.	23	sw.	0	6	13	11	13	11	2	1	0	1	1	1	1	0	0	0	3	0	1
October	3.36	1.27	T	5.7	8.2	sw.	32	s.	1	10	8	13	13	9	3	0	0	3	2	0	0	0	0	0	4	0	2
November	3.45	.86	6.0	7.4	10.1	sw.	29	s.	0	7	5	18	14	12	11	5	0	0	0	0	0	4	0	0	19	0	1
December	3.06	1.29	13.0	8.1	9.5	sw.	27	w.	0	2	7	22	14	11	16	9	0	1	1	0	0	20	0	0	31	1	0
Year	37.02	1.95	57.1	6.5	8.4	sw.	40	nw.	2	79	110	176	149	105	86	54	0	22	14	7	4	60	2	0	146	10	33

LINCOLN, NEBR.

Airport [$\phi=40^{\circ}51' N.$; $\lambda=96^{\circ}46' W.$] City [$\phi=40^{\circ}49' N.$; $\lambda=96^{\circ}42' W.$]

Month	Pressure ²				Temperature (° F.)															Moisture																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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LITTLE ROCK, ARK.

³ Airport [$\phi=34^{\circ}44' N.$; $\lambda=92^{\circ}14' W.$] City [$\phi=34^{\circ}45' N.$; $\lambda=92^{\circ}16' W.$]

	(1)		(1)	(1)	(3)	(2)	(2)	(2)	(2)	(2)	(2)	(2)				(2)	(3)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.81	30.20	30.30	29.08	35.1	31.7	44.6	41.6	32.2	29.9	38.4	36.5	49.1	30.4	39.8	73	6	28	27	30	30	29	74	83	59	63	70	
February	29.66	30.07	30.01	29.01	38.9	35.5	45.4	45.3	36.7	34.0	40.3	41.0	49.6	34.3	42.0	67	20	34	32	34	36	34	81	85	64	69	75	
March	29.54	29.93	30.02	29.12	49.6	45.1	60.0	59.6	44.8	42.2	49.9	50.3	64.5	43.7	54.1	80	32	39	39	40	41	40	69	79	50	53	63	
April ³	29.65	30.04	29.95	29.26	57.9	54.9	68.8	67.6	54.4	52.4	59.3	59.2	71.7	54.8	63.2	82	36	51	50	52	53	52	80	85	59	63	72	
May	29.61	29.98	29.83	29.30	63.8	61.9	75.8	74.8	60.9	59.6	65.5	65.5	79.0	58.5	68.8	91	48	59	58	60	60	59	86	87	59	62	73	
June	29.64	29.91	29.76	29.26	73.2	71.2	84.9	81.8	70.4	69.0	74.1	73.2	87.7	68.8	78.2	97	60	69	68	70	70	69	87	89	63	68	77	
July	29.66	30.04	29.82	29.52	76.0	74.2	90.2	88.8	72.0	71.0	75.3	74.9	93.5	71.6	82.6	101	64	70	70	69	69	69	83	86	50	53	68	
August	29.63	30.00	29.80	29.48	74.1	71.7	85.3	83.1	71.5	69.8	75.4	75.1	88.6	70.2	79.4	101	62	70	69	72	72	71	88	91	65	71	79	
September	29.66	30.04	30.07	29.44	66.6	63.3	79.4	75.5	64.1	61.6	68.3	67.1	83.5	61.4	72.4	93	37	63	60	62	62	62	87	91	57	65	75	
October	29.65	30.03	29.92	29.18	57.9	52.8	73.1	68.1	54.8	50.9	60.8	59.4	76.7	51.0	63.8	85	31	52	49	52	53	52	82	88	49	60	70	
November	29.70	30.09	30.17	29.11	51.1	47.3	60.0	57.1	48.1	45.3	52.8	51.5	64.7	43.9	54.3	82	26	45	43	46	46	45	81	85	63	68	74	
December	29.71	30.11	30.13	29.12	40.5	38.9	47.0	45.0	38.7	37.5	42.7	42.0	51.0	35.2	43.1	73	25	36	36	38	38	37	84	87	71	77	80	
Year	29.65	30.04	30.30	29.01	57.1	54.0	67.9	65.7	54.0	51.9	58.6	58.0	71.6	52.0	61.8	101	6	51	50	52	52	52	82	86	59	64	73	

LOS ANGELES, CALIF.

[$\phi=34^{\circ}03' N.$; $\lambda=118^{\circ}14' W.$]

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LOUISVILLE, KY.

Airport [$\phi=38^{\circ}13' N.$; $\lambda=85^{\circ}40' W.$] City [$\phi=38^{\circ}15' N.$; $\lambda=85^{\circ}45' W.$]

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January	29.55	30.14	30.00	28.76	29.2	25.9	35.9	33.6	27.1	24.3	31.5	30.1	40.8	24.8	32.8	65	-4	23	21	24	23	23	76	80	61	67	71	71	71	71	71
February	29.47	30.05	29.87	28.65	30.7	29.6	35.6	34.6	28.5	27.6	31.7	31.1	39.2	27.1	33.2	59	11	25	24	25	26	25	76	77	64	69	71	71	71	71	71
March	29.33	29.90	29.68	28.52	43.9	40.6	52.4	50.2	40.1	37.9	44.9	44.0	57.5	39.6	48.6	82	29	36	34	36	36	36	74	79	58	62	68	68	68	68	68
April	29.52	30.08	29.78	29.03	52.6	49.1	65.8	64.6	47.4	45.6	54.2	54.2	69.9	49.1	59.5	90	34	42	42	44	46	44	70	78	48	53	62	62	62	62	62
May	29.45	30.01	29.73	29.06	59.2	58.7	71.9	69.4	55.5	55.4	61.0	60.4	74.8	56.2	65.5	89	44	53	53	54	54	54	81	82	55	61	70	70	70	70	70
June	29.40	29.96	29.64	29.12	68.4	68.3	80.9	77.3	66.4	66.1	70.2	69.1	83.6	65.3	74.4	92	52	65	65	65	65	65	90	89	60	68	77	77	77	77	77
July	29.47	30.02	29.63	29.29	72.6	72.6	71.6	85.3	82.8	69.8	68.7	72.5	72.9	88.1	71.3	79.7	96	58	69	67	66	68	87	86	55	63	73	73	73	73	73
August	29.47	30.03	29.72	29.24	70.1	67.5	82.0	78.6	67.4	66.0	70.8	70.2	84.8	67.5	76.2	98	53	66	65	66	66	66	87	82	60	66	76	76	76	76	76
September	29.50	30.06	29.92	29.16	61.8	59.6	74.6	70.5	59.6	57.8	64.7	63.5	77.9	59.2	68.6	91	36	58	56	58	59	58	88	90	58	68	76	76	76	76	76
October	29.47	30.03	29.72	28.94	52.9	49.2	65.3	60.3	50.0	47.4	55.2	53.8	68.4	49.8	59.1	84	28	47	46	47	49	47	82	88	54	67	73	73	73	73	73
November	29.52	30.09	29.90	29.00	47.0	43.4	52.4	49.1	43.3	41.1	46.6	44.4	57.1	41.1	49.1	77	23	39	38	40	39	39	75	82	66	69	73	73	73	73	73
December	29.53	30.11	30.00	28.83	32.0	30.8	37.4	35.1	30.4	29.4	34.4	33.1	40.6	27.7	34.2	70	8	28	27	29	30	28	83	84	72	79	79	79	79	79	79
Year	29.47	30.04	30.00	28.52	51.7	49.5	61.6	58.8	48.8	47.3	53.1	52.2	65.2	48.2	56.7	98	-4	46	45	46	47	46	81	84	59	66	72	72	72	72	72

MONTHLY AND ANNUAL SUMMARIES

83

LINCOLN, NEBR.

Airport [H=1,189 ft.; H_b=1,189 ft.; H_i=11 ft.; H_r=4 ft.; H_a=81 ft.] City [H=1,189 ft.; H_b=1,211 ft.; H_i=8 ft.; H_r=4 ft.; H_a=44 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days--																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 0.27	<i>In.</i> 0.25	<i>In.</i> 2.8	4.4	<i>Mi.</i> 9.4	<i>s.</i> 33	<i>Mi.</i> 33	<i>nw.</i> 33	1	14	8	9	3	1	6	3	0	4	0	1	1	10	0	0	24	8	0
February	.99	.46	8.5	6.6	8.6	<i>n.</i> 25	<i>e.</i> 25	0	6	6	8	14	10	8	14	10	0	12	2	1	1	15	0	0	27	1	1
March	3.09	1.87	.9	6.4	12.5	<i>nw.</i> 37	<i>nw.</i> 37	5	8	7	16	13	7	8	6	1	6	3	2	2	2	0	0	16	0	3	
April	.97	.66	.0	5.8	11.5	<i>s.</i> 41	<i>sw.</i> 41	1	5	15	10	5	5	0	0	0	1	0	0	0	0	0	0	3	0	2	
May	4.59	1.55	.0	6.5	10.2	<i>s.</i> 32	<i>sw.</i> 32	1	8	10	13	14	10	0	0	2	3	0	1	1	0	1	0	0	0	11	
June	5.40	1.79	.0	6.7	9.1	<i>s.</i> 44	<i>se.</i> 44	1	4	13	13	12	9	0	0	0	3	0	0	0	0	5	0	0	0	11	
July	3.29	2.38	.0	3.9	8.4	<i>s.</i> 29	<i>s.</i> 29	0	14	15	2	6	4	0	0	1	0	0	0	0	0	21	12	0	0	6	
August	2.55	1.00	.0	4.5	8.5	<i>s.</i> 28	<i>n.</i> 28	0	11	15	5	9	5	0	0	0	0	0	0	0	0	9	4	0	0	4	
September	5.00	1.84	.0	6.3	8.8	<i>s.</i> 35	<i>sw.</i> 35	2	7	8	15	13	10	0	0	0	4	1	0	2	0	3	0	2	0	2	
October	.76	.58	.0	3.8	8.3	<i>s.</i> 27	<i>nw.</i> 27	0	18	7	6	6	4	0	0	0	0	0	0	0	0	0	0	5	0	1	
November	.25	.06	.9	5.4	10.8	<i>s.</i> 31	<i>nw.</i> 31	0	10	10	10	8	4	5	3	1	1	0	0	0	0	0	0	17	0	0	
December	1.66	.58	10.0	7.6	8.8	<i>s.</i> 30	<i>n.</i> 30	0	3	10	18	7	5	11	6	0	2	1	2	0	18	0	0	30	0	0	
Year	28.82	2.38	23.1	5.7	9.6	<i>s.</i> 44	<i>se.</i> 44	11	108	126	131	106	72	44	28	5	36	7	7	7	45	39	16	124	9	41	

LITTLE ROCK, ARK.

Airport [H=257 ft.; H_b=265 ft.; H_i=26 ft.; H_r=18 ft.; H_a=58 ft.] City [H=324 ft.; H_b=357 ft.; H_i=----- ft.; H_r=----- ft.; H_a=----- ft.]

January	2.72	2.02	2.7	4.7	8.2	nw.	27	w.	0	13	8	10	7	5	3	2	0	4	1	0	0	9	0	0	12	0	4
February	3.52	1.14	.5	6.5	8.5	se.	30	sw.	0	6	9	13	9	8	4	1	2	4	2	0	0	0	0	0	14	0	3
March	4.14	2.06	3.0	5.3	9.7	nw.	27	w.	0	11	10	10	10	9	3	3	1	2	1	1	1	0	0	0	0	0	3
April	10.76	4.50	.0	6.2	8.8	s.	24	se.	0	6	11	13	13	11	0	0	0	8	4	2	2	0	0	0	0	0	9
May	3.76	.81	.0	5.6	8.1	s.	23	w.	0	9	16	6	9	9	0	0	1	11	2	0	1	0	4	0	0	0	10
June	3.94	.72	.0	5.9	7.0	s.	32	nw.	1	5	18	7	12	11	0	0	1	17	2	1	1	0	13	3	0	0	9
July	.86	.61	.0	4.3	7.9	sw.	24	nw.	0	13	13	5	3	3	0	0	0	0	0	0	0	21	12	0	0	7	
August	4.95	1.32	.0	6.3	6.9	e.	32	n.	1	4	16	11	11	10	0	0	0	5	3	1	0	0	12	4	0	10	
September	1.07	.48	.0	4.4	6.5	sw.	26	n.	0	15	7	8	9	5	0	0	0	14	1	3	1	0	8	0	0	3	
October	3.34	2.47	.0	4.5	6.4	sw.	30	s.	0	15	8	8	6	2	0	0	0	25	2	1	0	0	0	0	1	1	
November	2.76	.70	.0	5.8	8.9	s.	27	s.	0	10	8	12	11	10	0	0	0	13	6	4	3	0	0	0	3	0	3
December	4.71	1.16	T	7.2	8.7	sw.	32	se.	1	5	6	20	11	8	2	0	0	13	4	2	4	0	0	0	8	0	4
Year	46.53	4.50	6.2	5.6	8.0	sw.	32	nw.	3	112	130	123	111	91	12	6	5	116	28	15	13	9	58	19	38	0	66

LOS ANGELES, CALIF.

[H=312 ft.; H_b=512 ft.; H_i=223 ft.; H_r=235 ft.; H_a=250 ft.]

January	0.59	0.37	T	4.2	6.9	ne.	26	e.	0	13	13	5	3	3	1	0	0	2	2	1	1	0	0	0	0	1
February	1.05	.99	T	4.3	7.1	ne.	36	e.	1	13	9	6	4	2	1	0	0	2	1	0	0	0	0	0	0	0
March	1.26	1.03	0.0	3.4	7.3	w.	32	w.	2	17	9	5	2	2	0	0	0	9	3	0	0	0	0	0	0	0
April	2.44	.62	.0	6.4	7.4	w.	26	w.	0	7	11	12	11	9	0	0	0	5	2	1	0	0	0	0	0	0
May	T	T	.0	4.0	6.8	w.	20	w.	0	16	10	5	0	0	0	0	0	4	4	2	2	0	1	1	0	0
June	T	T	.0	5.2	5.8	w.	18	w.	0	8	18	4	0	0	0	0	0	13	4	1	1	0	0	0	0	0
July	.00	.00	.0	2.6	5.7	w.	17	w.	0	25	6	0	0	0	0	0	0	8	1	1	1	0	1	0	0	0
August	.23	.23	.0	3.1	5.5	w.	17	w.	0	22	7	2	2	2	0	0	0	11	2	1	2	0	0	0	0	1
September	T	T	.0	2.9	5.4	w.	17	w.	0	18	12	0	0	0	0	0	0	14	7	3	2	0	1	0	0	0
October	.58	.56	.0	4.0	6.3	w.	29	nw.	0	15	11	5	2	1	0	0	0	6	2	1	1	0	3	0	0	0
November	.24	.16	.0	3.2	6.2	ne.	24	sw.	0	19	7	4	4	4	0	0	0	8	6	1	1	0	0	0	0	0
December	1.01	.79	.0	3.5	6.5	ne.	33	nw.	1	19	6	6	4	3	0	0	0	11	6	3	2	0	0	0	0	1
Year	7.40	1.03	T	3.9	6.4	w.	36	e.	4	192	119	54	32	26	2	0	0	93	40	15	13	0	6	1	0	3

LOUISVILLE, KY.

Airport [H=539 ft.; H_b=545 ft.; H_i=5 ft.; H_r=5 ft.; H_a=54 ft.] City [H=457 ft.; H_b=525 ft.; H_i=106 ft.; H_r=6 ft.; H_a=120 ft.]

January	2.58	1.27	5.2	5.1	10.0	sw.	34	sw.	1	15	4	12	8	5	7	2	0	2	0	0	1	9	0	0	18	2	0
February	2.58	1.06	.1	7.5	9.3	nw.	31	sw.	0	6	4	18	8	5	15	3	0	1	0	0	6	0	0	0	23	0	2
March	4.48	1.25	T	6.6	10.6	sw.	42	s.	2	6	9	16	14	12	5	0	0	2	0	0	0	0	0	5	0	5	
April	3.73	3.35	T	4.3	9.1	sw.	32	sw.	1	15	7	8	6	3	1	0	0	0	0	0	0	0	1	0	0	1	
May	3.43	1.07	.0	5.9	8.7	sw.	29	sw.	0	9	10	12	10	7	0	0	0	1	0	0	0	0	0	0	0	2	
June	8.48	2.31	.0	6.2	6.7	sw.	35	nw.	2	3	19	8	17	17	0	0	0	3	1	0	0	6	0	0	0	14	
July	1.96	1.78	.0	4.8	7.5	sw.	26	sw.	0	10	15	6	4	2	0	0	0	0	0	0	0	13	2	0	0	5	
August	6.10	2.59	.0	5.6	7.0	sw.	27	sw.	0	6	20	5	7	6	0	0	0	1	0	0	0	3	2	0	0	2	
September	3.55	1.43	.0	5.4	7.9	sw.	25	sw.	0	10	14	6	8	5	0	0	0	1	0	0	0	2	0	0	0	2	
October	1.80	.85	T	6.0	7.6	sw.	33	sw.	1	8	11	12	8	7	1	0	0	0	2	2	0	0	0	2	0	1	
November	5.99	1.90	.0	6.7	10.3	sw.	38	sw.	1	8	6	16	15	11	0	0	0	0	4	0	0	0	0	5	0	2	
December	4.80	1.43	7.1	8.0	9.1	ne.	34	sw.	1	5	4	22	14	12	8	5	0	0	4	2	2	5	0	0	21	0	1
Year	49.48	3.35	12.4	6.0	8.6	sw.	42	s.	9	101	123	141	119	92	37	10	0	11	11	4	3	20	25	4	74	2	37

LYNCHBURG, VA.
[$\phi=37^{\circ}25' N.$; $\phi=79^{\circ}09' W.$]

Month	Pressure				Temperature (° F.)													Moisture								
	Mean		Extremes		Mean											Extremes		Mean								
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity			
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.
January	In.	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
February	29.35	30.12	29.84	28.66	32.3	43.9	40.1	29.1	36.4	34.1	47.2	27.9	37.6	66	7	24	25	24	24	24	24	70	48	55	58	58
March	29.22	29.99	29.65	28.56	30.7	43.0	39.4	27.2	34.5	32.5	45.9	27.9	36.9	60	16	20	19	20	20	20	20	62	39	44	48	48
April	29.17	29.92	29.50	28.23	41.9	56.3	53.1	37.6	45.2	43.9	60.1	39.1	49.6	77	28	32	32	32	32	32	32	68	42	49	53	53
May	29.34	30.09	29.62	28.89	51.9	71.2	66.4	45.6	53.5	52.2	74.5	46.8	60.6	91	34	39	37	39	38	38	38	62	32	39	44	44
June	29.31	30.04	29.55	29.03	63.0	77.4	72.5	58.2	63.1	62.7	80.4	58.4	69.4	95	47	55	54	56	55	55	55	75	46	59	60	60
July	29.26	29.99	29.56	28.95	70.8	82.8	77.0	66.5	70.0	69.5	86.0	65.9	76.0	96	58	64	64	66	65	65	65	80	54	70	68	68
August	29.30	30.01	29.54	29.11	73.9	86.4	80.8	68.9	72.2	71.6	89.9	69.1	79.5	100	57	67	66	68	67	67	67	79	52	66	66	66
September	29.34	30.05	29.67	29.05	69.0	81.0	75.4	66.3	70.2	69.5	84.1	66.0	75.0	101	48	65	65	67	65	65	65	87	60	76	74	74
October	29.34	30.06	29.83	28.88	63.4	78.4	71.1	60.7	66.3	65.3	81.7	59.5	70.6	94	35	59	60	62	60	60	60	86	54	73	71	71
November	29.32	30.05	29.72	28.87	53.5	67.8	61.4	50.8	57.5	56.1	70.4	50.4	60.4	85	31	48	50	52	50	50	50	84	55	72	70	70
December	29.39	30.12	29.80	28.88	43.5	56.9	51.3	39.9	47.1	44.3	59.7	40.1	49.9	79	24	35	36	36	36	36	36	73	49	58	60	60
Year	29.36	30.11	29.92	28.39	33.0	40.9	37.5	30.6	35.6	33.9	44.9	29.2	37.0	58	6	26	27	28	27	27	27	75	49	61	62	62

MACON, GA.

Airport [$\phi=32^{\circ}50' N.$; $\lambda=83^{\circ}34' W.$] City [$\phi=32^{\circ}50' N.$; $\lambda=83^{\circ}38' W.$]

Month	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)
January	29.74	30.14	30.11	29.24	42.1	37.1	53.3	48.8	38.3	34.9	44.1	42.0	57.5	34.6	46.0	74	15	32	32	32	32	32	69	80	48	55	63	63	63	63	63
February	29.63	30.03	30.06	28.96	39.6	36.6	49.0	46.3	36.4	34.1	42.3	40.9	53.4	35.2	44.3	70	24	32	30	33	33	32	72	76	56	62	66	66	66	66	66
March	29.58	29.97	29.85	28.86	51.2	47.4	62.3	58.0	46.5	44.3	51.6	49.6	65.8	44.2	55.0	83	32	41	40	40	40	40	70	78	50	55	63	63	63	63	63
April	29.69	30.09	29.97	29.34	59.0	55.6	76.9	70.9	51.7	50.6	58.3	56.1	79.0	51.0	65.0	90	33	45	46	42	43	44	62	71	31	39	51	51	51	51	51
May	29.63	30.02	29.82	29.38	66.2	65.4	80.0	75.7	61.6	61.9	65.8	64.3	82.7	60.9	71.8	90	47	58	60	57	57	58	78	82	48	55	66	66	66	66	66
June	29.58	29.96	29.82	29.37	72.4	73.2	85.2	80.7	69.3	69.7	72.4	71.5	88.8	69.5	79.2	95	62	68	65	66	67	66	86	84	56	65	73	73	73	73	73
July	29.67	30.06	29.85	29.47	74.8	75.5	89.7	83.1	71.9	72.1	75.1	74.1	92.1	72.4	82.2	99	69	71	71	69	70	70	87	86	52	68	72	72	72	72	72
August	29.66	30.05	29.90	29.50	73.2	72.2	86.6	79.1	70.2	70.0	73.8	71.9	89.0	69.9	79.4	97	61	69	69	68	69	69	87	87	50	67	76	76	76	76	76
September	29.65	30.03	30.01	29.32	69.6	68.3	83.3	76.5	65.9	65.7	69.2	68.3	85.5	64.9	75.2	96	46	64	64	62	64	63	81	85	50	67	71	71	71	71	71
October	29.64	30.03	29.95	29.36	59.7	56.6	75.4	68.1	56.2	54.7	61.8	60.0	77.5	53.6	65.6	85	35	53	53	52	54	53	80	88	46	62	69	69	69	69	69
November	29.73	30.13	30.00	29.41	52.3	47.9	66.9	59.7	47.9	45.4	54.9	51.4	69.2	44.7	57.0	83	29	43	42	43	43	43	71	81	45	56	63	63	63	63	63
December	29.71	30.11	30.15	28.98	43.9	41.1	53.6	50.3	41.7	39.7	47.1	45.8	58.5	38.5	48.5	75	21	39	38	40	40	39	82	88	62	71	76	76	76	76	76
Year	29.66	30.05	30.15	28.86	58.7	56.4	71.8	66.4	54.8	53.6	59.7	58.0	74.9	53.3	64.1	99	15	51	51	50	51	51	77	82	50	61	68	68	68	68	68

MADISON, WIS.

Airport [$\phi=43^{\circ}08' N.$; $\lambda=89^{\circ}20' W.$] City [$\phi=43^{\circ}05' N.$; $\lambda=89^{\circ}23' W.$]

Month	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)
January	28.97	30.07	29.51	28.20	18.1	16.1	23.5	20.6	17.0	15.4	21.5	19.2	27.0	13.6	20.3	48	-22	14	14	17	15	15	80	88	74	77	80	80	80	80	80
February	29.02	30.12	29.31	28.44	18.8	16.3	25.4	22.5	17.7	15.4	23.1	21.0	26.0	14.9	20.4	36	-5	14	12	18	17	15	81	83	70	78	78	78	78	78	78
March	28.76	29.83	29.14	28.13	33.5	31.6	41.3	38.5	31.6	29.9	36.6	34.8	42.4	30.9	36.6	60	22	29	27	30	30	29	83	83	66	70	75	75	75	75	75
April	29.00	30.06	29.41	28.44	44.9	41.8	60.3	57.2	40.7	38.8	49.4	47.8	62.7	41.4	52.0	86	25	36	35	39	39	37	72	77	48	53	62	62	62	62	62
May	28.91	29.96	29.30	28.34	51.2	50.5	63.9	60.1	48.6	48.3	55.4	54.2	65.9	47.6	56.8	88	35	46	46	49	49	48	84	86	61	70	75	75	75	75	75
June	28.94	29.97	29.16	28.53	61.3	60.8	73.7	72.1	58.9	58.4	64.4	64.8	75.3	59.1	67.2	90	47	57	57	58	60	58	87	86	60	68	75	75	75	75	75
July	28.96	29.99	29.16	28.71	64.8	64.3	80.0	78.1	62.2	62.0	67.0	67.4	80.3	63.4	71.8	92	55	61	61	60	62	61	87	88	52	58	71	71	71	71	71
August	28.98	30.01	29.26	28.75	63.7	61.8	77.1	74.4	61.4	60.0	65.8	65.7	78.5	61.5	70.0	89	50	60	59	59	61	60	88	91	56	64	75	75	75	75	75
September	28.98	30.02	29.44	28.55	54.9	52.4	65.7	61.8	53.1	51.2	57.5	56.9	67.5	52.4	60.0	88	30	51	50	51	53	52	89	92	62	74	79	79	79	79	79
October	28.93	29.99	29.34	28.28	45.8	42.4	59.1	52.6	43.1	40.8	49.8	46.9	60.7	42.6	51.6	77	18	40	39	41	41	40	80	87	52	65	71	71	71	71	71
November	28.93	30.01	29.44	28.27	34.5	32.7	40.1	37.1	32.8	31.4	36.6	34.7	43.7	30.0	36.8	64	12	30	29	32	31	31	84	87	73	80	81	81	81	81	81
December	29.00	30.10	29.60	28.41	16.7	15.5	22.8	19.8	16.2	15.2	21.6	19.0	24.1	11.9	18.0	35	-4	14	14	19	17	16	90	94	83	86	88	88	88	88	88
Year	28.95	30.01	29.60	28.13	42.4	40.5	52.7	49.6	40.3	38.9	45.7	44.4	54.5	39.1	46.8	92	-22	38	37	39	40	38	84	87	63	70	76	76	76	76	76

MARQUETTE, MICH.

[$\phi=46^{\circ}34' N.$; $\lambda=87^{\circ}24' W.$]

January	29.14	29.97	29.54	28.61	19.6	18.8	22.6	20.5	18.1	17.3	20.2	18.9	27.1	14.2	20.6	52	-15	14	14	15	15	14	78	78	71	77	76
February	29.28	30.12	29.61	28.61	18.9	18.5	22.6	20.8	17.8	17.6	20.8	19.4	25.2	15.3	20.2	39	-6	15	15	17	16	16	83	85	76	79	81
March	29.04	29.85	29.44	28.30	29.8	27.9	33.6	32.6	27.6	26.3	30.8	30.2	36.3	25.8	31.0	44	13	24	23	26	25	76	82	75	79	78	
April	29.23	30.04	29.72	28.49	44.7	43.7	52.4	49.9	38.8	38.9	43.1	42.1	57.6	39.2	48.4	85	24	32	33	33	34	62	68	52	55	59	
May	29.17	29.98	29.52	28.59	46.0	46.8	52.9	51.1	42.8	43.2	46.1	45.3	59.0	39.8	49.4	86	31	39	39	39	39	78	77	62	66	71	
June	29.16	29.96	29.44	28.69	56.6	57.4	63.3	61.9	52.8	53.3	55.3	55.3	68.2	51.6	59.9	89	41	50	50	49	50	50	79	78	62	68	72
July	29.16	29.96	29.41	28.80	60.2	62.5	70.0	66.1	56.2	57.8	61.0	59.0	73.5	55.5	64.5	93	45	53	54	55	54	54	79	75	61	68	71
August	29.18	29.97	29.47	28.74	61.3	61.1	71.7	68.1	57.9	57.6	62.0	61.2	74.3	57.5	65.9	99	45	56	55	56	57	56	82	82	60	69	73
September	29.18	29.98	29.59	28.57	52.5	51.4	59.2	55.6	49.6	48.7	53.0	51.8	62.7	47.9	55.3	84	31	47	46	48	49	47	82	83	68	79	78
October	29.11	29.92	29.60	28.43	45.0	43.7	54.1	48.8	41.7	41.1	46.7	43.7	56.2	40.0	48.1	77	21	38	38	40	38	39	77	80	60	70	72
November	29.13	29.94	29.68	28.32	32.0	29.8	36.7	33.3	29.6	28.0	32.8	30.5	39.7	26.7	33.2	60	10	26	25	27	26	26	76	81	67	73	74
December	29.20	30.03	29.82	28.36	19.8	19.7	22.3	20.1	18.4	18.4	20.3	18.5	25.0	16.0	20.5	34	1	15	15	15	14	15	79	81	72	75	77
Year	29.16	29.98	29.82	28.30	40.5	40.1	46.8	44.1	37.6	37.4	41.0	39.7	50.4	35.8	43.1	99	-15	34	34	35	35	34	78	79	66	72	74

MONTHLY AND ANNUAL SUMMARIES

85

LYNCHBURG, VA.

[H=631 ft.; H_b=686 ft.; H_t=144 ft.; H_r=142 ft.; H_a=184 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 2.77	<i>In.</i> 0.80	<i>In.</i> 2.3	4.9	<i>Mi.</i> 7.5	nw.	31	nw.	0	13	7	11	11	9	5	4	0	6	3	2	0	5	0	0	20	0	0
February	2.08	1.06	.4	5.6	9.5	nw.	28	nw.	0	11	4	13	6	5	3	1	0	4	0	0	0	0	0	0	21	0	0
March	3.25	1.00	2.5	5.9	10.0	nw.	35	sw.	5	10	8	13	14	9	2	1	0	5	4	3	2	0	0	0	4	0	1
April	.79	.78	.0	4.0	7.8	nw.	34	nw.	1	16	7	7	2	2	0	0	0	3	0	0	0	0	3	0	0	0	0
May	6.02	2.51	.0	5.6	7.0	nw.	25	se.	0	10	10	11	9	8	0	0	0	10	0	0	0	0	4	1	0	0	9
June	6.14	1.90	.0	6.1	6.1	nw.	25	nw.	0	6	12	12	12	9	0	0	1	14	2	1	1	0	7	1	0	0	12
July	2.02	.77	.0	5.1	5.7	w.	27	nw.	0	11	11	9	11	9	0	0	0	12	4	1	2	0	18	5	0	0	9
August	10.36	3.00	.0	6.6	5.8	w.	22	sw.	0	6	8	17	18	15	0	0	0	24	3	2	4	0	5	2	0	0	11
September	5.30	2.15	.0	4.3	5.4	w.	30	nw.	0	16	6	8	11	8	0	0	0	21	1	2	2	0	8	0	0	0	4
October	7.02	3.39	.0	5.4	6.5	nw.	26	ne.	0	12	6	13	10	9	0	0	0	10	2	1	1	0	0	0	2	0	3
November	1.51	.71	.0	4.5	7.5	nw.	27	nw.	0	15	6	9	8	6	0	0	0	11	1	0	0	0	0	0	6	0	0
December	3.93	1.78	2.8	6.5	8.0	w.	37	w.	2	8	8	15	16	10	7	5	0	9	6	5	2	1	0	0	18	0	0
Year	51.19	3.39	8.0	5.4	7.2	nw.	37	w.	8	134	93	138	128	99	17	11	1	129	26	17	14	6	45	9	71	0	49

MACON, GA.

Airport [H=446 ft.; H_b=464 ft.; H_t=5 ft.; H_r=3 ft.; H_a=56 ft.] City [H=330 ft.; H_b=370 ft.; H_t=79 ft.; H_r=73 ft.; H_a=87 ft.]

January	3.75	1.67	T	4.4	7.4	nw.	25	s.	0	15	7	9	4	4	1	0	0	1	0	0	1	1	0	0	10	0	2
February	4.26	2.19	0.0	6.0	8.3	nw.	28	sw.	0	7	8	13	8	8	0	0	0	0	0	0	0	0	0	0	13	0	2
March	7.78	3.62	T	5.5	8.4	nw.	25	nw.	0	10	11	10	10	9	2	0	0	2	1	1	0	0	0	0	1	0	4
April	1.29	1.24	.0	3.8	6.5	n.	24	nw.	0	14	12	4	2	2	0	0	0	0	0	0	0	0	1	0	0	0	1
May	4.23	2.44	.0	5.4	6.1	s.	22	nw.	0	6	15	10	7	5	0	0	0	1	0	0	0	0	0	0	0	0	7
June	3.20	1.10	.0	6.8	6.3	e.	26	s.	0	2	14	14	11	9	0	0	0	0	0	0	0	0	12	1	0	0	9
July	3.02	.70	.0	6.1	6.0	w.	25	sw.	0	8	12	11	14	10	0	0	0	4	0	0	0	0	21	0	0	0	13
August	5.98	1.52	.0	6.1	6.1	s.	22	s.	0	5	14	12	10	8	0	0	0	2	1	0	1	0	14	2	0	0	10
September	4.38	2.25	.0	5.8	5.6	n.	22	s.	0	7	14	9	8	7	0	0	0	1	0	0	0	0	12	2	0	0	3
October	.89	.51	.0	4.0	6.1	n.	21	w.	0	16	7	8	7	4	0	0	0	0	0	0	0	0	0	0	0	0	1
November	2.62	2.45	.0	3.3	6.2	nw.	20	nw.	0	18	7	5	3	2	0	0	0	3	0	0	0	0	0	0	1	0	0
December	5.54	1.61	.0	5.5	7.0	nw.	27	nw.	0	11	6	14	15	13	0	0	1	14	5	0	0	0	0	0	8	0	2
Year	46.94	3.62	T	5.2	6.7	nw.	28	sw.	0	119	127	119	99	81	3	0	1	28	7	1	2	1	60	17	33	0	54

MADISON, WIS.

Airport [H=857 ft.; H_b=866 ft.; H_t=27 ft.; H_r=2 ft.; H_a=39 ft.] City [H=938 ft.; H_b=974 ft.; H_t=70 ft.; H_r=62 ft.; H_a=78 ft.]

January	1.09	1.01	10.4	5.6	9.5	nw.	39	ne.	1	11	9	11	4	2	7	3	0	8	1	1	1	13	0	0	31	9	0
February	.41	.24	5.0	7.6	7.7	nw.	23	nw.	0	4	5	19	7	3	13	5	0	9	6	4	4	22	0	0	28	4	0
March	.86	.38	.9	7.8	9.5	nw.	26	nw.	0	3	6	22	15	8	15	7	1	11	2	1	1	0	0	0	21	0	1
April	1.24	.42	T	5.2	9.4	s.	30	w.	0	10	10	10	7	6	1	0	0	3	1	1	1	0	0	0	7	0	6
May	4.03	.89	T	7.7	8.1	se.	31	ne.	0	2	7	22	18	13	1	0	0	8	1	1	1	0	0	0	0	0	8
June	3.21	1.02	.0	7.5	6.7	se.	26	sw.	0	4	7	19	16	12	0	0	0	5	1	1	1	0	1	0	0	0	11
July	3.79	1.23	.0	5.8	6.6	nw.	24	nw.	0	9	12	10	12	9	0	0	0	4	2	1	1	0	3	0	0	0	11
August	1.95	1.04	.0	6.0	6.7	s.	22	sw.	0	7	11	13	8	5	0	0	1	14	4	3	3	0	0	0	0	0	5
September	5.76	1.53	T	6.9	7.2	sw.	20	w.	0	5	10	15	16	14	2	2	0	9	2	1	0	0	0	0	3	0	6
October	1.24	.57	T	4.9	7.9	w.	25	se.	0	15	4	12	9	6	4	0	1	6	0	0	0	0	0	0	6	0	3
November	2.84	1.28	4.4	7.4	10.3	nw.	27	s.	0	4	7	19	14	11	9	6	0	10	3	3	3	4	0	0	18	0	0
December	1.86	1.20	7.5	7.3	8.8	nw.	32	ne.	1	4	9	18	11	10	14	8	0	15	2	1	1	25	0	0	30	5	1
Year	28.28	1.53	28.2	6.6	8.2	nw.	39	ne.	2	78	97	190	137	99	66	31	3	102	25	18	17	64	4	0	144	18	52

MARQUETTE, MICH.

[H=677 ft.; H_b=734 ft.; H_t=44 ft.; H_r=42 ft.; H_a=73 ft.]

January	0.52	0.14	5.3	7.2	10.4	w.	36	sw.	2	5	10	16	14	4	22	13	0	0	0	0	0	16	0	0	30	7	0
February	.76	.37	8.1	8.8	9.0	nw.	22	nw.	0	0	6	22	13	5	26	12	0	1	0	0	0	23	0	0	28	3	0
March	3.14	1.51	17.3	7.5	8.5	nw.	32	nw.	1	5	5	21	14	10	18	13	0	4	1	0	0	6	0	0	27	0	1
April	2.01	.81	6.2	5.4	9.8	sw.	31	sw.	0	9	13	8	6	5	4	3	0	1	1	0	0	1	0	0	12	0	3
May	3.90	1.45	T	7.0	8.0	nw.	33	sw.	1	6	10	15	15	13	3	0	1	5	3	2	2	1	0	0	1	0	3
June	2.91	.71	.0	6.0	6.4	nw.	23	s.	0	6	13	11	11	9	0	0	0	6	2	2	1	0	0	0	0	0	7
July	3.30	1.50	.0	6.0	7.1	w.	29	sw.	0	6	14	11	10	9	0	0	0	3	0	0	0	0	1	0	0	0	6
August	3.22	1.61	.0	5.9	8.5	s.	30	s.	0	9	11	11	11	10	0	0	0	4	0	0	0	0	2	1	0	0	3
September	5.73	1.76	2.0	7.0	8.0	nw.	26	s.	0	6	7	17	19	18	6	2	0	5	0	0	0	0	0	0	3	0	4
October	2.55	1.57	2.0	5.4	8.2	w.	30	sw.	0	12	8	11	9	6	5	1	0	5	0	0	1	1	0	0	7	0	0
November	3.49	1.80	15.4	7.1	10.2	s.	41	s.	3	3	13	14	14	10	14	5	0	3	1	0	0	7	0	0	20	0	0
December	3.58	.89	38.6	8.7	9.2	w.	35	s.	1	1	5	25	16	13	27	16	0	2	0	0	2	28	0	0	31	0	0
Year	35.11	1.80	94.9	6.8	8.6	nw.	41	s.	8	68	115	182	152	112	125	65	1	39	8	4	5	82	3	1	159	10	27

UNITED STATES METEOROLOGICAL YEARBOOK

MEDFORD, OREG.
Airport [$\phi=42^{\circ}23'N.$; $\lambda=122^{\circ}52'W.$]

Month	Pressure				Temperature ($^{\circ}F.$)													Moisture									
	Mean		Extremes		Mean													Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
January	28.72	30.16	29.08	28.19	37.8	35.3	37.6	46.1	35.7	33.9	35.6	41.5	47.8	31.8	39.8	59	16	33	32	33	36	34	84	88	86	70	82
February	28.63	30.07	29.00	28.21	40.0	35.1	39.3	49.5	37.7	34.0	37.0	42.3	52.0	31.9	42.0	60	24	35	33	34	33	34	82	90	81	56	77
March	28.67	30.10	28.99	28.18	42.7	36.5	44.7	56.8	38.9	34.5	39.9	45.3	58.8	33.3	46.0	78	25	34	32	34	32	33	73	84	67	41	66
April	28.52	29.93	28.89	28.10	49.3	41.8	52.8	62.0	43.7	39.3	45.8	49.3	65.1	38.0	51.6	79	30	38	36	38	37	37	67	83	59	41	63
May	28.60	30.01	28.89	28.25	52.1	46.1	56.8	63.0	48.5	44.7	49.8	52.2	67.0	44.8	55.9	89	34	45	43	44	42	44	79	90	63	51	71
June	28.62	30.01	28.82	28.37	59.7	50.5	64.6	75.2	52.1	47.9	54.0	57.2	77.2	49.0	63.1	105	40	46	46	45	43	45	61	84	50	34	57
July	28.60	29.97	28.77	28.36	70.5	59.0	76.0	88.3	59.2	54.6	61.5	64.1	89.2	57.3	73.2	108	46	51	51	52	48	51	52	76	44	27	50
August	28.53	29.91	28.76	28.35	70.3	58.8	75.6	90.6	58.8	54.0	61.3	64.2	91.9	56.2	74.0	105	46	51	50	52	47	50	51	74	45	23	49
September	28.59	29.97	28.80	28.29	61.6	51.2	67.4	82.7	52.7	47.1	54.9	59.2	84.5	48.1	66.3	98	39	44	43	45	40	43	55	74	46	25	50
October	28.69	30.10	28.97	28.42	51.5	44.0	55.0	70.1	47.5	42.4	48.9	55.1	71.4	41.2	56.3	90	34	44	41	44	43	43	76	88	67	43	69
November	28.64	30.06	29.03	27.98	42.7	40.3	44.2	50.3	41.4	39.8	42.3	45.8	52.4	37.3	44.8	64	29	40	39	40	41	40	90	96	87	73	86
December	28.71	30.16	29.03	28.13	38.7	37.7	39.0	42.8	38.2	37.1	38.3	41.0	44.1	35.3	39.7	56	27	38	36	38	39	38	96	96	94	87	93
Year	28.63	30.04	29.08	27.98	51.4	44.7	54.4	64.8	46.2	42.4	47.4	51.4	66.8	42.0	54.4	108	16	42	40	42	40	41	72	85	66	48	68

MEMPHIS, TENN.
Airport [$\phi=35^{\circ}03'N.$; $\lambda=89^{\circ}58'W.$] City [$\phi=35^{\circ}09'N.$; $\lambda=90^{\circ}03'W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.75	30.19	30.24	29.02	33.4	31.0	43.7	38.4	30.9	29.2	37.9	34.7	47.9	25.9	36.9	70	1	27	26	30	29	28	77	83	60	70	72
February	29.62	30.06	29.97	28.95	37.8	35.5	43.5	42.6	35.6	33.6	39.2	39.0	47.5	32.5	40.0	64	19	32	31	33	35	33	81	83	68	73	76
March	29.50	29.92	29.92	28.98	50.1	45.8	59.2	58.3	45.9	43.0	51.6	51.1	63.7	43.4	53.6	80	29	42	40	44	44	43	73	80	60	61	69
April	29.63	30.05	29.92	29.19	58.3	54.9	69.8	68.4	53.7	51.7	60.2	59.8	73.6	53.3	63.4	85	32	50	49	53	54	51	75	80	58	61	69
May	29.58	29.99	29.77	29.27	63.9	61.7	76.1	75.1	59.6	58.6	65.6	65.8	79.8	58.8	69.3	92	46	57	56	59	60	58	79	84	58	62	70
June	29.51	29.91	29.74	29.24	72.5	71.4	85.4	82.7	68.8	68.0	73.5	73.1	89.1	68.5	78.8	97	57	67	66	68	69	68	83	84	58	65	72
July	29.62	30.02	29.79	29.49	76.5	74.8	89.4	88.1	71.9	71.5	76.1	75.6	93.0	72.5	82.8	101	63	70	71	70	70	70	80	85	55	56	69
August	29.59	30.00	29.76	29.45	72.7	70.9	84.3	81.8	69.6	68.5	73.8	73.4	88.0	69.3	78.6	100	59	68	67	69	70	69	86	88	62	68	76
September	29.62	30.04	30.00	29.34	65.7	63.0	79.8	73.7	62.1	60.6	67.1	65.8	83.3	60.4	71.8	95	36	60	59	59	61	60	82	87	51	65	71
October	29.60	30.02	29.88	29.13	56.4	52.3	73.0	64.9	53.2	50.1	60.5	57.5	76.3	50.0	63.2	87	33	50	48	52	52	50	81	86	49	64	70
November	29.67	30.09	30.07	29.13	52.8	48.9	60.4	56.4	48.6	46.4	52.4	50.6	65.5	45.8	55.6	81	31	44	44	45	45	44	74	83	59	67	71
December	29.67	30.11	30.06	29.04	40.1	38.8	46.1	43.5	38.1	37.3	42.2	40.8	50.3	34.5	42.4	73	24	35	35	38	38	36	83	86	73	79	80
Year	29.61	30.04	30.24	28.95	56.7	54.1	67.6	64.5	53.2	51.5	58.3	57.3	71.5	51.2	61.4	101	1	50	49	52	52	51	80	84	59	66	72

MERIDIAN, MISS.
Airport [$\phi=32^{\circ}21'N.$; $\lambda=88^{\circ}40'W.$] City [$\phi=32^{\circ}21'N.$; $\lambda=88^{\circ}40'W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.78	30.20	30.20	29.24	37.0	32.8	50.9	46.4	35.3	31.9	42.7	40.9	54.9	31.8	43.4	72	10	33	30	32	34	32	85	88	51	63	72
February	29.66	30.07	30.09	29.04	41.0	38.0	51.2	48.4	38.5	36.6	43.8	42.9	54.9	36.0	45.4	74	23	35	35	34	36	35	81	88	55	64	72
March	29.56	29.97	29.92	29.08	51.5	48.2	62.8	60.8	48.8	46.3	51.9	51.8	66.4	46.0	56.2	82	32	46	44	40	43	43	83	87	49	55	68
April	29.68	30.08	29.97	29.29	58.4	54.4	75.7	72.3	54.4	52.3	60.5	59.8	78.0	53.4	65.7	89	34	51	50	49	50	50	78	87	41	48	64
May	29.62	30.02	29.78	29.34	63.4	62.7	80.9	77.4	61.0	60.5	66.5	65.3	82.4	59.6	71.0	91	46	60	59	58	58	58	87	88	47	53	69
June	29.56	29.95	29.78	29.32	72.3	72.3	87.9	81.0	69.8	69.8	74.1	73.2	89.2	69.4	79.3	95	62	69	69	68	70	69	88	88	53	70	75
July	29.68	30.07	29.86	29.48	74.7	75.1	89.6	85.1	72.6	72.5	75.6	75.1	91.0	72.4	81.7	99	68	72	71	70	71	71	90	88	53	64	74
August	29.65	30.04	29.81	29.52	73.3	72.0	86.9	81.0	71.4	70.4	74.6	74.2	88.3	70.5	79.4	95	64	71	70	70	72	70	91	92	58	74	79
September	29.65	30.05	29.95	29.35	66.0	63.6	82.0	75.0	64.3	62.4	69.2	69.0	83.3	62.6	73.0	93	45	63	62	62	66	63	92	93	53	74	78
October	29.64	30.04	29.90	29.28	58.6	54.4	76.0	68.3	56.8	53.7	62.7	62.3	77.9	54.0	66.0	88	31	55	53	54	58	55	90	95	49	72	77
November	29.72	30.13	30.02	29.32	50.6	48.0	67.7	58.9	48.4	46.8	55.6	52.8	69.9	45.9	57.9	82	30	46	46	45	47	46	86	91	46	66	72
December	29.71	30.11	30.13	29.12	44.7	42.1	55.6	50.5	42.8	40.9	48.8	46.6	60.0	39.2	49.6	77	26	41	40	42	42	41	86	91	64	76	79
Year	29.66	30.06	30.20	29.04	57.6	55.3	72.3	67.1	55.3	53.7	60.5	59.5	74.7	53.4	64.0	99	10	54	52	52	54	53	86	90	52	65	73

MIAMI, FLA.
Airport [$\phi=25^{\circ}49'N.$; $\lambda=80^{\circ}17'W.$] City [$\phi=25^{\circ}48'N.$; $\lambda=80^{\circ}12'W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	30.08	30.10	30.33	29.78	59.0	57.3	73.2	65.1	56.9	55.4	63.2	60.6	74.1	58.9	66.5	83	44	55	54	56	57	56	88	89	58	77	78	78
February	29.97	30.00	30.25	29.31	55.9	53.8	70.6	62.5	53.5	52.1	59.8	56.8	71.1	55.2	63.2	82	40	52	50	52	52	52	86	89	53	70	75	75
March	29.96	29.99	30.22	29.67	64.6	64.4	76.6	69.6	61.7	61.4	66.1	64.3	76.4	64.4	70.4	85	46	60	60	60	61	60	85	85	57	75	75	75
April	30.01	30.04	30.18	29.80	65.8	67.4	78.5	72.7	62.7	63.9	66.5	65.7	78.9	66.6	72.8	87	56	61	62	60	62	61	85	83	54	69	73	73
May	29.97	30.00	30.11	29.85	72.0	75.2	83.0	77.4	68.6	69.8	71.6	70.6	83.1	73.5	78.3	88	68	67	67	66	67	67	84	87	57	71	73	73
June	29.94	29.97	30.10	29.77	76.9	79.7	85.1	80.0	74.6	75.9	76.1	75.5	86.7	75.7	81.2	89	68	74	74	73	74	74	90	84	67	82	81	81
July	30.04	30.07	30.17	29.85	77.8	82.3	89.5	83.0	75.1	77.0	77.2	76.4	89.5	79.5	84.5	95	71	74	75	72	74	74	88	79	57	74	75	75
August	29.99	30.02	30.15	29.89	77.4	79.5	87.6	81.7	74.9	76.1	77.1	76.1	88.1	78.5	83.3	90	69	74	75	73	74	74	89	86	63	78	79	79
September	29.96	29.98	30.14	29.80	77.0	78.1	87.2	79.9	74.8	75.7	77.1	75.8	87.9	76.9	82.4	92	72	74	75	73	74	74	90	90	64	83	82	82
October	29.92	29.95	30.11	29.79	71.0	70.8	83.3	75.5	69.1	69.0	72.6	71.0	84.2	71.8	78.0	86	65	68	68	68	69	68	91	92	61	80	81	81
November	30.00	30.02	30.18	29.79	67.5	65.8	79.4	71.5	64.3	63.1	69.3	66.8	79.2	68.2	73.7	84	52	63	62	64	64	63	85	86	61	79	78	78
December	30.06	30.09	30.35	29.77	64.6	63.1	77.0	69.5	62.7	61.2	68.4	65.6	77.1	64.9	71.0	83	42	62	60	64	63	62	90	89	65	81	81	81
Year	29.99	30.02	30.35	29.31	69.1	69.8	80.9	74.0	66.6	66.7	70.4	68.8	81.4	69.5	75.4	95	40	65	65	65	66	65	88	86	60	77	78	78

MONTHLY AND ANNUAL SUMMARIES

87

MEDFORD, OREG.

[H=1,314 ft.; H_b=1,329 ft.; H_t=29 ft.; H_r=26 ft.; H_a=58 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	In. 2.19	In. 0.80	In. T	7.8	Mi.	nw.	Mi.			2	7	22	10	7	2	0	0	17	10	10	9	1	0	0	17	0	0
February	2.33	.56	T	6.3		n.				7	9	12	12	9	2	0	0	11	3	3	3	1	0	0	15	0	0
March	.53	.34	0.2	7.0		nw.				7	3	21	7	3	2	1	0	3	1	1	1	0	0	0	12	0	0
April	.86	.46	.0	7.6		nw.				2	11	17	7	6	0	0	1	2	1	1	2	0	0	0	3	0	0
May	3.69	1.24	.0	7.7		nw.				1	12	18	18	12	0	0	2	2	0	0	0	0	0	0	0	0	2
June	.64	.36	.0	5.0		nw.				12	7	11	7	3	0	0	0	0	0	0	0	0	3	3	0	0	2
July	T	T	.0	2.2		nw.				24	3	4	0	0	0	0	0	0	0	0	0	0	14	9	0	0	0
August	.09	.09	.0	1.5		nw.				25	4	2	1	1	0	0	0	0	0	0	0	0	20	15	0	0	1
September	.16	.16	.0	2.5		nw.				22	5	3	2	1	0	0	0	0	0	0	0	9	2	0	0	0	3
October	.82	.25	.0	4.2		nw.				15	6	10	6	6	0	0	0	11	4	2	1	0	1	0	0	0	0
November	8.62	1.14	.0	8.3		nw.				2	7	21	20	19	0	0	0	19	8	7	6	0	0	0	8	0	0
December	5.87	1.22	.0	9.4		nw.				0	3	28	22	13	4	3	0	24	11	13	13	0	0	0	6	0	0
Year	25.80	1.24	.2	5.8		nw.				119	77	169	112	80	10	4	3	89	38	37	35	1	47	29	61	0	8

MEMPHIS, TENN.

Airport [H=269 ft.; H_b=284 ft.; H_t=5 ft.; H_r=3 ft.; H_a=49 ft.] City [H=271 ft.; H_b=399 ft.; H_t=78 ft.; H_r=70 ft.; H_a=86 ft.]

January	4.35	1.54	1.4	4.7	8.6	sw.	34	w.	1	14	8	9	7	6	2	2	0	0	0	0	0	9	0	0	24	0	4
February	4.22	1.74	.5	6.9	8.5	nw.	28	w.	0	6	7	15	9	9	4	1	0	1	0	0	0	0	0	0	17	0	3
March	5.56	1.75	T	5.0	9.5	s.	24	nw.	0	13	5	13	12	10	3	0	1	1	0	0	0	0	0	0	2	0	4
April	5.14	3.58	.0	5.2	7.7	s.	24	sw.	0	11	10	9	8	7	0	0	0	3	1	0	0	0	0	0	1	0	6
May	2.33	1.16	.0	5.0	7.8	s.	22	sw.	0	11	10	10	8	7	0	0	0	0	0	0	0	4	0	0	0	0	9
June	2.39	.68	.0	4.9	6.7	sw.	32	nw.	1	12	9	9	11	9	0	0	0	1	1	0	0	15	4	0	0	12	
July	1.78	.95	.0	3.7	7.7	sw.	22	sw.	0	19	11	1	4	3	0	0	0	0	0	0	0	22	13	0	0	6	
August	4.90	1.93	.0	5.3	6.3	sw.	35	n.	2	10	13	8	11	10	0	0	0	0	0	0	0	9	3	0	0	9	
September	.67	.39	.0	3.7	7.0	s.	25	n.	0	14	12	4	3	3	0	0	0	0	0	0	0	7	0	0	0	2	
October	3.54	3.02	.0	3.2	6.9	e.	25	n.	0	19	8	4	6	4	0	0	0	3	0	0	0	0	0	0	0	2	
November	3.16	1.19	.0	5.2	8.8	s.	24	w.	0	13	5	12	9	9	0	0	0	2	2	2	1	0	0	0	1	0	3
December	5.04	1.86	T	6.8	8.2	e.	27	sw.	0	6	10	15	12	8	2	1	0	5	3	2	1	0	0	0	14	0	2
Year	43.08	3.58	1.9	5.0	7.8	sw.	35	n.	4	148	108	109	100	85	11	4	1	16	7	4	2	9	57	20	59	0	62

MERIDIAN, MISS.

Airport [H=294 ft.; H_b=310 ft.; H_t=22 ft.; H_r=3 ft.; H_a=40 ft.] City [H=343 ft.; H_b=375 ft.; H_t=67 ft.; H_r=60 ft.; H_a=92 ft.]

January	2.60	0.90	0.3	3.9	6.3	n.	25	s.	0	16	8	7	6	5	2	1	0	3	2	1	1	2	0	0	16	0	2
February	3.04	1.05	T	6.0	6.8	n.	26	w.	0	9	6	13	6	5	2	1	0	4	0	0	0	0	0	0	15	0	1
March	9.78	4.84	T	4.6	8.1	s.	40	sw.	1	14	7	10	13	11	1	0	0	3	2	1	1	0	0	0	1	0	5
April	1.58	1.41	.0	4.0	6.6	s.	21	e.	0	13	11	6	4	3	0	0	0	1	0	0	0	0	0	0	0	0	2
May	3.06	1.87	.0	3.7	5.6	e.	23	nw.	0	17	7	7	6	4	0	0	0	0	0	0	0	0	2	0	0	0	5
June	4.91	1.67	.0	4.5	5.8	e.	20	w.	0	9	14	7	16	12	0	0	0	1	0	0	0	0	13	1	0	0	15
July	1.15	.41	.0	5.1	5.3	sw.	18	s.	0	14	9	8	8	5	0	0	0	0	0	0	0	0	20	7	0	0	12
August	5.54	1.26	.0	5.6	5.5	e.	20	se.	0	6	17	8	14	11	0	0	0	0	0	0	0	0	15	0	0	0	9
September	5.43	1.84	.0	5.3	5.1	ne.	18	e.	0	7	16	7	8	7	0	0	0	4	1	1	1	0	6	0	0	0	8
October	2.78	1.74	.0	4.6	5.1	ne.	20	sw.	0	14	6	11	8	7	0	0	0	1	0	0	0	0	0	0	1	0	1
November	.73	.51	.0	3.2	6.1	sw.	17	se.	0	18	8	4	4	2	0	0	0	4	2	2	1	0	0	0	3	0	0
December	7.72	4.84	.0	6.6	6.8	n.	26	nw.	0	6	10	15	11	9	0	0	0	2	1	1	1	0	0	0	7	0	5
Year	48.32	4.84	.3	4.8	6.1	sw.	40	sw.	1	143	119	103	104	81	5	2	0	23	8	6	5	2	56	8	43	0	65

MIAMI, FLA.

Airport [H=12 ft.; H_b=12 ft.; H_t=5 ft.; H_r=3 ft.; H_a=61 ft.] City [H=11 ft.; H_b=25 ft.; H_t=124 ft.; H_r=117 ft.; H_a=168 ft.]

January	2.02	0.93	0.0	6.1	10.6	n.	26	w.	0	8	7	16	9	7	0	0	0	1	1	0	0	0	0	0	0	0	0
February	2.77	1.17	.0	4.6	11.8	n.	34	w.	2	10	12	6	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0
March	2.51	.86	.0	5.6	11.7	se.	29	s.	0	8	14	9	7	6	0	0	0	0	1	0	0	0	0	0	0	0	1
April	13.62	8.58	.0	4.7	10.2	e.	31	sw.	0	14	8	8	5	4	0	0	1	0	0	0	0	0	0	0	0	0	3
May	1.74	.68	.0	5.4	8.6	e.	20	s.	0	10	12	9	9	6	0	0	0	0	0	0	0	0	0	0	0	0	8
June	13.90	2.62	.0	7.2	8.3	se.	29	sw.	0	5	8	17	18	16	0	0	0	0	0	0	0	0	0	0	0	0	15
July	1.24	.56	.0	4.2	7.6	e.	24	e.	0	12	16	3	7	5	0	0	0	0	0	0	0	0	5	1	0	15	
August	3.36	.71	.0	5.8	7.8	e.	36	s.	1	7	15	9	14	11	0	0	0	1	0	0	0	0	1	0	0	11	
September	6.25	1.34	.0	6.2	8.2	e.	26	ne.	0	4	16	10	19	16	0	0	0	0	0	0	0	0	2	0	0	16	
October	5.27	1.81	.0	5.1	8.4	ne.	26	ne.	0	10	12	9	16	11	0	0	0	0	0	0	0	0	0	0	0	3	
November	1.75	.80	.0	4.2	10.9	ne.	33	ne.	1	14	11	5	7	4	0	0	0	0	0	0	0	0	0	0	0	0	
December	2.37	.85	.0	6.0	10.0	n.	27	se.	0	6	13	12	10	9	0	0	0	2	1	1	0	0	0	0	0	3	
Year	56.80	8.58	.0	5.4	9.5	e.	36	s.	4	108	144	113	125	99	0	0	1	5	2	1	0	0	8	1	0	75	

MILWAUKEE, WIS.
Airport [$\phi=42^{\circ}57' N.$; $\lambda=87^{\circ}54' W.$]

Month	Pressure				Temperature (° F.)														Moisture											
	Mean		Extremes		Mean														Extremes						Mean					
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity							
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	
	In. (¹)	In.	In. (¹)	In. (¹)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%			
January	29.28	30.05	29.82	28.33	19.7	18.8	24.1	22.2	18.5	17.7	22.2	20.7	27.6	12.3	20.0	44	—23	16	15	18	17	17	83	85	76	79	81			
February	29.33	30.10	29.63	28.72	21.0	19.7	25.8	24.4	19.7	18.6	23.7	22.8	28.3	16.0	22.2	37	—6	16	16	18	19	17	79	82	72	78	78			
March	29.09	29.84	29.48	28.39	34.2	32.6	39.0	37.5	32.3	30.3	35.6	34.7	42.5	30.2	36.4	55	21	30	28	30	31	30	83	84	69	77	78			
April	29.33	30.07	29.71	28.77	45.3	43.6	56.2	51.8	41.4	39.9	47.6	45.2	60.3	38.7	49.5	81	25	37	36	39	38	38	74	74	56	63	66			
May	29.23	29.96	29.62	28.72	51.2	51.7	59.9	55.9	47.7	48.6	52.6	49.6	64.9	45.0	55.0	88	36	44	46	46	45	45	79	80	64	70	73			
June	29.24	29.97	29.51	28.81	59.7	60.9	69.9	67.2	56.4	57.2	61.7	60.3	73.5	54.5	64.0	90	42	54	54	56	56	55	82	80	64	69	74			
July	29.26	29.98	29.43	29.02	66.5	67.0	77.5	75.8	62.8	63.0	66.0	66.1	81.0	61.9	71.4	98	49	61	61	60	61	60	82	81	56	61	70			
August	29.28	30.01	29.57	29.03	64.8	63.9	75.1	72.1	62.1	61.5	66.2	65.3	77.8	60.5	69.2	91	48	60	60	61	62	61	86	88	64	71	77			
September	29.28	30.02	29.75	28.85	56.3	54.8	66.1	59.9	54.0	52.9	58.0	55.8	68.5	50.7	59.6	88	28	52	51	52	52	52	86	88	62	77	78			
October	29.25	29.99	29.64	28.58	47.9	45.1	57.0	50.8	44.6	43.0	49.6	46.6	59.1	41.5	50.3	76	21	41	41	42	42	42	77	84	60	73	74			
November	29.25	30.00	29.76	28.51	37.8	35.5	42.1	39.9	35.3	33.5	37.9	36.9	47.2	30.7	39.0	67	12	32	30	32	33	32	78	81	68	75	76			
December	29.32	30.08	29.90	28.65	19.9	18.5	24.6	22.4	18.6	17.4	22.7	20.8	26.7	13.5	20.1	39	—1	15	14	18	17	16	80	81	74	77	78			
Year	29.26	30.01	29.90	28.33	43.7	42.7	51.4	48.3	41.1	40.3	45.3	43.7	54.8	38.0	46.4	98	—23	38	38	39	39	39	81	82	65	72	75			

MINNEAPOLIS, MINN.
Airport [$\phi=44^{\circ}53' N.$; $\lambda=93^{\circ}13' W.$]

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MISSOULA, MONT.
Airport [$\phi=46^{\circ}55' N.$; $\lambda=114^{\circ}05' W.$] City [$\phi=46^{\circ}52' N.$; $\lambda=114^{\circ}00' W.$]

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MOBILE, ALA.
Airport [$\phi=30^{\circ}41' N.$; $\lambda=88^{\circ}12' W.$] City [$\phi=30^{\circ}42' N.$; $\lambda=88^{\circ}12' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)						(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	30.13	30.19	30.55	29.64	43.6	40.0	54.5	49.2	41.1	38.2	46.6	44.6	58.2	38.7	48.4	75	18	37	36	37	39	37	79	84	55	68	72
February	30.00	30.06	30.36	29.37	45.8	42.6	54.6	51.4	42.8	40.8	46.9	46.2	58.4	40.9	49.6	77	29	39	39	38	40	39	78	86	55	67	71
March	29.93	29.98	30.25	29.48	53.3	51.7	63.1	59.0	51.3	49.8	54.3	52.8	66.3	48.7	57.5	77	37	49	48	45	47	47	86	86	58	67	74
April	30.03	30.09	30.29	29.70	59.9	57.4	74.1	68.5	56.9	54.9	61.6	60.4	76.3	56.1	66.2	95	39	54	52	52	54	53	83	85	50	63	70
May	29.96	30.02	30.11	29.73	66.7	66.4	80.0	75.5	64.0	63.8	67.5	67.2	82.7	64.2	73.4	93	53	62	62	60	62	62	86	87	53	65	73
June	29.89	29.95	30.10	29.65	74.4	74.9	84.4	80.4	72.4	72.5	74.5	74.4	88.7	73.2	81.0	97	69	72	72	70	72	71	91	90	64	76	80
July	30.02	30.08	30.17	29.83	75.6	76.0	86.0	80.4	73.8	73.9	76.0	75.1	90.7	74.0	82.4	98	71	73	73	72	73	73	92	91	64	79	82
August	29.98	30.04	30.11	29.86	74.9	74.7	86.2	79.7	73.2	72.9	76.3	75.1	89.7	73.9	81.8	96	67	72	72	72	73	73	92	92	65	82	83
September	29.97	30.03	30.21	29.66	69.8	67.9	81.5	76.0	67.3	65.9	70.4	70.2	84.3	67.6	76.0	93	49	66	65	65	67	66	85	89	59	75	78
October	29.97	30.03	30.20	29.69	64.2	60.9	78.4	70.4	61.4	58.7	65.6	64.7	80.3	59.9	70.1	86	40	60	57	58	61	59	85	88	52	74	74
November	30.07	30.13	30.35	29.70	55.3	51.9	69.2	61.2	52.7	50.0	58.8	56.7	71.2	50.4	60.8	83	35	50	48	51	53	50	83	87	54	75	75
December	30.06	30.11	30.47	29.53	50.7	47.6	59.2	54.5	49.0	46.5	53.1	51.7	62.7	44.7	53.7	79	32	47	45	48	49	47	88	91	68	82	82
Year	30.00	30.06	30.55	29.37	61.2	59.3	72.6	67.2	58.8	57.3	62.6	61.6	75.8	57.7	66.7	98	18	57	56	56	58	56	86	88	58	73	76

MONTHLY AND ANNUAL SUMMARIES

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MILWAUKEE, WIS.
 [H=674 ft.; H_b=693 ft.; H_i=33 ft.; H_r=33 ft.; H_a=66 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below
January	<i>In.</i> 1.16	<i>In.</i> 0.87	<i>In.</i> 8.1	5.9	<i>Mi.</i> 13.7	sw.	37	sw.	4	8	11	12	6	3	11	5	0	10	2	1	0	11	0	0	29	9	1
February	.50	.25	6.4	7.7	11.3	nw.	31	nw.	0	4	5	19	8	4	14	6	0	7	4	2	3	21	0	0	27	3	0
March	1.46	.70	1.8	7.7	13.8	nw.	38	nw.	5	3	8	20	12	8	16	7	0	12	2	1	1	0	0	0	19	0	2
April	.81	.31	T	5.5	13.6	sw.	42	s.	4	8	12	10	4	3	1	0	0	2	0	1	0	0	0	0	4	0	3
May	4.49	1.33	.0	7.2	12.7	n.	44	sw.	5	5	9	17	18	15	0	0	0	11	2	1	1	0	0	0	0	0	7
June	4.26	1.17	.0	6.9	9.3	ne.	28	sw.	0	4	11	15	9	7	0	0	0	11	7	3	4	0	0	0	0	0	7
July	3.58	2.14	.0	5.4	10.1	sw.	35	sw.	2	10	11	10	9	6	0	0	0	7	1	1	2	0	4	2	0	0	8
August	4.14	1.86	.0	5.4	10.0	sw.	33	sw.	1	12	8	11	8	6	0	0	0	13	5	5	6	0	2	0	0	0	6
September	3.43	.63	T	6.2	10.4	sw.	39	sw.	3	8	10	12	14	12	4	0	0	15	0	0	0	0	0	0	4	0	6
October	2.44	1.26	T	5.2	11.9	w.	48	sw.	5	13	6	12	11	6	3	0	0	13	5	2	3	0	0	0	6	0	5
November	3.27	1.35	5.1	7.3	14.7	nw.	39	s.	7	5	7	18	10	8	7	3	1	11	1	1	1	0	0	0	14	0	2
December	2.55	1.93	8.1	7.6	13.3	nw.	40	ne.	3	6	4	21	10	7	16	5	0	14	3	3	2	20	0	0	30	3	1
Year	32.09	2.14	29.5	6.5	12.1	sw.	48	sw.	39	86	102	177	119	85	72	26	1	126	32	21	23	53	6	2	133	15	48

MINNEAPOLIS, MINN.
 Airport [H=830 ft.; H_b=838 ft.; H_i=43 ft.; H_r=42 ft.; H_a=61 ft.]

January	0.15	0.12	1.7	4.8	10.6	nw.	38	nw.	2	14	6	11	2	1	11	2	0	10	1	1	1	12	0	0	31	9	0
February	.45	.17	5.2	7.6	9.0	n.	28	nw.	0	3	6	19	8	3	16	8	0	7	0	0	0	19	0	0	28	5	0
March	1.74	.76	4.6	7.6	12.0	nw.	34	se.	2	4	7	20	13	8	17	10	0	15	1	1	1	0	0	0	25	0	0
April	3.41	1.51	T	5.5	11.8	s.	40	w.	2	7	12	11	6	6	2	0	2	4	0	0	0	0	0	0	7	0	5
May	6.78	2.63	.0	7.4	10.6	se.	42	nw.	3	5	8	18	15	11	0	0	1	8	1	0	0	0	0	0	0	0	7
June	2.69	1.41	.0	7.1	10.2	se.	42	nw.	2	4	10	16	10	7	0	0	10	2	2	1	0	1	0	0	0	0	6
July	3.80	1.48	.0	6.0	8.5	se.	33	w.	1	7	13	11	10	6	0	0	0	13	3	1	0	4	2	0	0	0	13
August	2.11	1.13	.0	5.6	9.1	s.	29	se.	0	8	12	11	10	6	0	0	16	2	1	2	0	3	0	0	0	0	4
September	7.53	3.55	1.7	6.8	9.6	se.	35	nw.	2	6	7	17	9	8	4	2	0	6	2	2	1	0	1	0	5	0	4
October	.78	.36	.3	4.5	9.4	w.	34	w.	1	15	5	11	6	3	7	3	0	6	3	1	1	0	0	0	8	0	2
November	.27	.18	.9	7.0	11.5	nw.	32	nw.	2	3	11	16	2	2	8	1	0	6	0	0	0	5	0	0	25	0	0
December	.85	.22	7.0	7.5	9.8	nw.	27	s.	0	5	6	20	8	6	23	7	0	13	5	2	0	27	0	0	31	8	0
Year	30.56	3.55	21.4	6.4	10.2	se.	42	nw.	17	81	103	181	99	67	88	33	3	114	20	11	7	64	9	2	160	22	41

MISSOULA, MONT.
 Airport [H=3,202 ft.; H_b=3,189 ft.; H_i=4 ft.; H_r=3 ft.; H_a=28 ft.] City [H=3,200 ft.; H_b=3,263 ft.; H_i=80 ft.; H_r=77 ft.; H_a=91 ft.]

January	0.55	0.34	10.6	7.2	4.3	w.	24	e.	0	5	10	16	6	5	15	4	0	11	9	7	4	21	0	0	31	8	0
February	.71	.24	10.6	7.5	5.8	sw.	39	ne.	3	4	7	17	13	8	20	13	0	3	1	1	1	11	0	0	27	2	0
March	.33	.19	3.2	7.4	5.8	sw.	37	w.	1	4	10	17	5	3	14	3	0	1	1	0	0	0	0	0	29	0	0
April	.66	.29	T	6.6	7.0	e.	27	nw.	0	7	6	17	8	6	4	1	1	0	0	0	0	0	0	0	6	0	1
May	3.77	.73	.8	7.5	6.4	e.	36	ne.	2	3	9	19	19	14	3	2	0	1	0	0	0	0	0	0	2	0	4
June	2.05	.40	.0	6.8	6.2	w.	27	nw.	0	4	12	14	14	10	0	0	1	1	0	0	0	0	0	0	0	0	3
July	.55	.16	.0	2.7	6.7	se.	27	ne.	0	21	9	1	8	6	0	0	1	0	0	0	0	11	3	0	0	0	8
August	.64	.29	.0	2.8	6.5	w.	34	e.	1	21	6	4	5	4	0	0	0	1	0	0	0	14	3	0	0	0	6
September	1.51	1.25	.0	4.1	6.2	e.	33	e.	1	14	10	6	15	10	6	4	2	0	2	0	0	0	1	0	0	7	0
October	1.21	.43	.4	6.0	5.7	se.	26	e.	0	10	6	15	10	10	19	10	0	0	0	0	0	4	0	0	24	0	0
November	1.41	.33	12.1	8.5	5.6	se.	28	w.	0	1	7	22	17	10	19	10	0	0	0	0	0	0	0	0	24	0	0
December	1.50	.30	12.7	8.9	5.1	sw.	24	sw.	0	0	6	25	18	14	21	17	0	5	6	1	2	8	0	0	30	0	0
Year	14.89	1.25	50.4	6.3	5.9	w.	39	ne.	8	94	98	173	129	90	100	52	3	25	17	9	7	44	26	6	156	10	27

MOBILE, ALA.
 Airport [H=212 ft.; H_b=221 ft.; H_i=6 ft.; H_r=4 ft.; H_a=28 ft.] City [H=10 ft.; H_b=57 ft.; H_i=86 ft.; H_r=78 ft.; H_a=161 ft.]

January	4.10	0.93	0.0	4.5	10.9	n.	30	s.	0	15	9	7	8	6	0	0	0	4	0	0	0	0	0	0	6	0	3
February	7.32	3.01	T	6.3	10.5	n.	32	s.	1	5	12	11	8	7	1	0	0	2	0	1	0	0	0	0	3	0	3
March	7.43	2.59	.0	5.8	11.4	s.	29	nw.	0	11	4	16	15	12	0	0	0	3	1	4	3	0	0	0	0	0	5
April	2.20	1.88	.0	5.0	9.1	s.	26	se.	0	10	11	9	2	2	0	0	0	4	2	2	1	0	0	0	0	0	3
May	6.36	1.96	.0	5.2	8.1	s.	32	se.	1	8	14	9	6	6	0	0	0	0	0	0	0	0	3	0	0	0	6
June	13.07	6.67	.0	6.3	6.2	s.	22	s.	0	3	18	9	14	11	0	0	0	0	0	0	0	12	2	0	0	0	13
July	6.73	1.31	.0	6.6	5.0	s.	25	s.	0	2	17	12	21	18	0	0	0	0	0	0	0	19	6	0	0	0	19
August	6.54	2.34	.0	6.4	5.7	e.	20	sw.	0	0	23	8	12	10	0	0	0	0	0	0	0	19	3	0	0	0	10
September	4.98	2.38	.0	5.0	6.6	n.	22	n.	0	11	13	6	7	7	0	0	0	0	0	0	0	7	0	0	0	0	3
October	3.18	2.63	.0	4.7	5.9	n.	24	n.	0	8	17	6	7	5	0	0	0	.3	0	0	0	0	0	0	0	0	1
November	1.58	.81	.0	3.5	6.4	n.	25	n.	0	18	4	8	7	5	0	0	0	4	3	0	3	0	0	0	0	0	0
December	7.80	4.06	T	6.5	7.5	n.	24	n.	0	7	6	18	10	8	1	0	0	3	0	0	5	0	0	0	1	0	5
Year	71.29	6.67	T	5.5	7.8	n.	32	s.	2	98	148	119	117	97	2	0	0	23	6	8	14	0	60	11	10	0	76

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

MODENA, UTAH
[$\phi=37^{\circ}48'$ N.; $\lambda=113^{\circ}54'$ W.]

Month	Pressure				Temperature (° F.)													Moisture											
	Mean		Extremes		Mean													Extremes											
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum		Minimum		Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.				1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly				
January	In. 24.74	In. 30.29	In. 25.06	In. 24.26	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	
February	24.53	29.99	24.76	24.13																									
March	24.59	30.01	24.89	24.10																									
April	24.52	29.84	24.71	24.16																									
May	24.55	29.83	24.87	24.22																									
June	24.57	29.77	24.88	24.35																									
July	24.70	29.87	24.86	24.57																									
August	24.66	29.87	24.83	24.37																									
September	24.66	29.94	24.89	24.36																									
October	24.68	30.03	24.88	24.17																									
November	24.66	30.09	25.02	24.18																									
December	24.68	30.17	24.98	24.15																									
Year	24.63	29.98	25.06	24.10																									

MONTGOMERY, ALA.

Airport [$\phi=32^{\circ}24'$ N.; $\lambda=86^{\circ}14'$ W.] City [$\phi=32^{\circ}23'$ N.; $\lambda=86^{\circ}18'$ W.]

	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.94	30.18	30.33	29.42	41.6	36.7	51.6	48.5	38.6	34.6	43.2	42.1	56.0	35.9	46.0	71	16	34	32	32	33	33	74	81	50	57	65	65
February	29.82	30.05	30.21	29.16	41.6	39.1	50.6	48.6	38.4	36.4	43.6	42.9	53.9	37.5	45.7	73	26	34	33	34	36	34	75	78	56	62	68	68
March	29.75	29.98	30.05	29.32	52.0	48.3	60.5	59.7	48.3	46.1	51.9	51.1	65.5	47.3	56.4	79	33	44	44	43	42	43	76	84	58	56	68	68
April	29.86	30.09	30.08	29.53	59.3	54.3	75.0	72.3	53.0	51.0	59.1	58.0	78.0	55.2	66.6	92	39	47	48	46	46	47	66	80	38	42	57	57
May	29.79	30.02	29.98	29.54	66.8	64.1	79.8	77.9	61.9	60.8	65.9	65.3	82.7	63.0	72.8	92	52	59	59	57	57	58	76	83	48	52	65	65
June	29.73	29.96	29.94	29.50	73.0	72.8	85.6	81.1	70.4	69.7	73.3	72.4	88.6	70.5	79.6	95	65	69	69	68	68	68	88	87	57	68	75	75
July	29.84	30.07	30.02	29.65	75.2	74.9	87.9	83.6	72.8	72.8	76.1	74.9	90.9	73.2	82.0	99	70	72	72	71	71	72	90	90	59	68	77	77
August	29.82	30.04	30.02	29.64	73.2	71.8	85.3	80.8	70.9	70.0	74.6	73.6	88.1	71.1	79.6	94	65	70	69	70	70	70	90	92	62	72	79	79
September	29.81	30.04	30.14	29.47	68.6	66.1	82.6	76.7	66.1	64.6	69.7	68.9	84.8	66.2	75.5	94	47	65	64	63	65	64	88	92	53	69	75	75
October	29.80	30.03	30.06	29.46	60.2	56.3	76.1	68.8	58.2	55.2	63.1	61.8	78.5	57.8	68.2	86	38	57	54	55	57	56	89	93	50	68	75	75
November	29.91	30.14	30.15	29.58	52.6	48.5	66.2	60.9	49.2	46.3	55.4	52.9	69.6	47.4	58.5	81	32	46	44	46	46	45	78	84	51	58	68	68
December	29.88	30.12	30.33	29.20	46.8	43.7	54.3	52.9	44.4	42.2	48.6	48.1	60.5	41.1	50.8	80	29	42	40	42	43	42	83	88	66	70	77	77
Year	29.83	30.06	30.33	29.16	59.2	56.4	71.3	67.6	56.0	54.1	60.4	59.3	74.8	55.5	65.1	99	16	53	52	52	53	53	81	86	54	62	71	71

MOUNT WASHINGTON OBSERVATORY, N. H.

[$\phi=44^{\circ}16'$ N.; $\lambda=71^{\circ}18'$ W.]

	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	23.33	29.99	23.72	22.84	5.4	2.5	4.6	3.1	3.6	1.9	4.2	2.6	11.5	-5.5	3.0	33	-33	2	0	4	0	1	90	89	91	90	90	90
February	23.14	29.78	23.66	22.62	1.2	1.5	4.6	0.7	0.8	1.2	4.4	0.3	9.9	-7.3	1.3	32	-25	-2	0	3	-2	0	90	94	95	90	92	92
March	23.41	29.84	23.90	22.50	13.9	14.4	18.0	16.4	13.3	13.5	17.3	15.6	22.2	7.8	15.0	39	-2	12	12	16	14	13	91	88	92	89	90	90
April	23.63	30.00	24.00	23.04	25.1	25.4	28.6	27.2	23.6	23.7	26.4	25.0	32.1	20.2	26.2	49	1	21	21	23	22	22	87	85	83	82	84	84
May	23.83	30.04	24.08	23.53	38.2	38.9	43.6	40.4	37.3	37.4	41.3	39.1	45.7	33.6	39.6	56	20	36	36	40	38	37	93	90	88	91	90	90
June	23.84	29.96	24.15	23.58	44.6	44.7	50.1	47.0	43.0	43.4	47.6	45.5	52.3	40.8	46.6	67	32	41	42	46	44	43	90	92	86	91	90	90
July	23.88	29.98	24.27	23.57	46.0	46.3	50.4	48.0	45.6	46.0	49.1	47.1	53.3	42.2	47.8	62	29	45	46	48	46	46	97	98	93	95	96	96
August	23.91	30.05	24.22	23.54	45.1	44.9	49.4	46.4	43.9	43.5	47.5	45.3	51.8	40.3	46.0	62	25	43	43	46	45	44	94	91	90	94	92	92
September	23.88	30.06	24.15	23.48	41.1	41.0	45.3	41.7	38.9	38.5	43.0	40.9	48.4	35.0	41.7	64	11	37	36	41	39	38	87	85	87	90	87	87
October	23.77	30.10	24.33	23.13	32.2	33.1	36.3	33.6	28.5	29.1	32.7	30.4	38.5	26.5	32.5	49	12	22	22	28	25	24	73	71	76	77	74	74
November	23.54	29.96	24.12	22.80	18.5	18.4	20.7	18.9	17.4	17.6	19.6	17.7	26.5	9.7	18.1	46	-12	15	16	17	15	16	88	91	88	87	89	89
December	23.28	29.80	24.18	22.02	3.1	3.6	3.3	1.7	2.6	2.8	2.9	1.2	10.9	-5.5	2.7	32	-45	2	0	1	0	1	92	88	93	92	91	91
Year	23.62	29.96	24.33	22.02	26.2	26.2	29.6	27.1	24.9	24.9	28.0	25.9	33.6	19.8	26.7	67	-45	23	23	26	24	24	89	88	88	89	89	89

NANTUCKET, MASS.

[$\phi=41^{\circ}17'$ N.; $\lambda=70^{\circ}06'$ W.]

January	30.00	30.01	30.51	29.30	29.9	29.1	34.6	31.5	28.0	27.4	31.4	29.5	38.3	24.5	31.4	54	8	24	24	26	26	25	77	80	70	78	76
February	29.73	29.75	30.37	29.24	26.7	26.2	32.4	29.3	24.6	24.2	28.8	26.7	34.6	22.6	28.6	48	11	20	20	21	21	20	73	74	63	69	70
March	29.85	29.86	30.37	29.00	36.9	38.2	43.5	37.7	34.9	36.1	39.4	35.7	45.3	34.1	39.7	56	31	32	33	34	33	33	82	82	70	83	79
April	29.98	30.00	30.36	29.45	41.7	44.8	50.1	43.1	40.5	42.7	44.9	41.2	52.8	38.8	45.8	79	31	39	40	39	39	39	90	85	69	85	82
May	30.05	30.07	30.30	29.75	52.2	55.1	60.7	53.1	51.1	53.5	56.8	51.9	62.5	49.7	56.1	72	41	50	52	54	50	52	93	91	79	92	89
June	29.95	29.96	30.32	29.55	58.5	63.1	68.1	60.4	57.5	60.4	62.3	58.9	70.1	56.3	63.2	79	47	57	59	59	58	58	94	86	74	91	86
July	29.96	29.98	30.31	29.67	64.9	67.8	73.0	65.9	63.3	65.0	66.5	63.8	74.8	62.5	68.6	84	58	62	63	63	63	63	92	86	72	89	85
August	30.04	30.05	30.40	29.69	64.5	68.2	73.3	65.8	62.5	64.6	65.5	63.1	74.9	62.2	68.6	85	54	61	62	61	61	61	89	82	67	86	81
September	30.04	30.05	30.48	29.72	60.6	62.4	68.8	60.9	59.4	60.0	62.2	59.4	70.5	57.1	63.8	85	43	58	58	58	58	58	93	87	70	91	85
October	30.06	30.08	30.61	29.42	53.9	54.2	59.4	53.9	51.8	51.4	53.9	51.7	61.1	50.6	55.8	70	41	50	49	49	50	49	86	83	70	86	81
November	30.01	30.02	30.58	29.27	43.9	44.3	48.5	44.6	41.3	41.3	43.9	41.4	52.2	38.9	45.6	65	24	37	37	38	37	37	78	76	68	75	74
December	29.98	29.99	30.83	28.66	31.3	30.7	35.2	32.1	29.2	28.9	31.8	29.7	38.7	25.9	32.3	56	-3	25	26	26	25	25	77	80	68	75	75
Year	29.97	29.98	30.83	28.66	47.1	48.7	54.0	48.2	45.3	46.3	49.0	46.1	56.3	43.6	50.0	85	-3	43	44	44	43	43	85	83	70	83	80

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

MODENA, UTAH [H=5,460 ft.; H _b =5,473 ft.; H _l =10 ft.; H _r =3 ft.; H _a =46 ft.]																											
Month	Precipitation				Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall	Cloudiness 0 to 10	By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Fog					Maximum temperature			Minimum temp.		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted	Hail	Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm
January	In. 0.33	T	In. 5.7	5.6	Mi. 6.7	w.	24	s.	0	7	14	10	1	1	8	1	0	9	4	0	3	11	0	0	31	5	0
February	.51	0.34	8.3	6.6	8.9	sw.	32	sw.	1	6	8	14	8	2	16	8	0	0	0	0	6	0	0	27	1	0	
March	.69	.32	4.5	4.7	9.4	sw.	35	sw.	2	12	8	11	6	4	8	4	2	0	0	0	0	0	0	30	0	1	
April	1.59	.71	1.5	5.8	11.2	sw.	39	sw.	5	7	11	12	7	5	6	1	1	1	0	0	1	0	0	18	0	4	
May	.06	.04	.0	4.4	11.5	sw.	43	s.	6	13	11	7	3	0	0	0	0	0	0	0	0	0	0	12	0	1	
June	T	T	.0	1.6	11.3	sw.	35	s.	2	24	6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
July	.42	.19	.0	3.5	10.4	sw.	34	n.	1	14	13	4	8	4	0	0	1	0	0	0	0	0	21	4	0	14	
August	2.49	1.25	.0	3.2	10.0	sw.	35	s.	2	19	9	3	6	5	0	0	2	0	0	0	0	0	12	1	0	15	
September	T	T	.0	1.1	10.2	w.	35	s.	3	26	3	1	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
October	.82	.37	.9	3.9	8.1	w.	27	sw.	0	17	7	7	6	5	1	1	2	0	0	0	1	0	0	12	0	3	
November	.67	.53	4.7	3.9	9.7	sw.	43	sw.	2	15	8	7	2	2	2	1	0	0	0	0	1	0	0	27	0	0	
December	.43	.43	T	4.2	8.3	w.	30	nw.	0	13	12	6	2	2	3	1	1	1	6	0	0	1	0	0	29	0	1
Year	8.01	1.25	25.6	4.0	9.6	sw.	43	s.	24	173	110	82	49	30	44	17	9	11	10	0	5	19	34	5	188	6	41

MONTGOMERY, ALA.

Airport [H=198 ft.; H_b=202 ft.; H_i=5 ft.; H_r=3 ft.; H_a=50 ft.] City [H=201 ft.; H_b=218 ft.; H_i=92 ft.; H_r=90 ft.; H_a=105 ft.]

January	4.00	1.15	0.1	4.5	7.8	n.	21	se.	0	15	6	10	7	5	2	1	0	0	1	0	1	1	1	0	0	0	8	0	3
February	3.67	1.68	T	6.3	8.4	n.	30	sw.	0	9	5	14	9	7	1	0	0	2	2	2	2	2	0	0	0	9	0	1	
March	8.27	3.02	T	5.7	8.7	s.	25	w.	0	10	6	15	9	9	1	1	0	2	2	2	2	2	0	0	0	0	0	4	
April	1.82	1.80	.0	3.9	6.7	s.	17	nw.	0	15	10	5	2	1	0	0	0	1	1	1	1	0	0	1	0	0	0	1	
May	4.03	1.20	.0	4.8	6.3	e.	18	w.	0	11	15	5	6	6	0	0	0	1	1	1	1	0	0	2	0	0	0	6	
June	6.29	2.58	.0	6.4	6.4	e.	28	w.	0	6	13	11	15	12	0	0	1	0	0	0	0	0	13	0	0	0	13		
July	3.95	1.73	.0	5.3	5.7	sw.	27	n.	0	11	9	11	13	11	0	0	0	0	0	0	0	0	20	6	0	0	13		
August	4.60	1.01	.0	6.0	6.2	e.	24	nw.	0	6	14	11	10	8	0	0	0	1	1	0	0	12	0	0	0	0	11		
September	2.44	2.21	.0	4.7	6.1	n.	20	nw.	0	11	11	8	5	4	0	0	0	2	0	0	0	0	9	0	0	0	4		
October	1.77	.86	.0	3.9	6.3	n.	21	n.	0	16	7	8	8	6	0	0	0	1	1	0	0	0	0	0	0	0	1		
November	1.42	.86	.0	3.1	6.5	e.	18	n.	0	18	7	5	4	4	0	0	0	5	1	0	0	0	0	0	0	0	0		
December	8.10	2.90	.0	6.1	7.9	n.	34	sw.	1	9	8	14	14	11	0	0	0	10	4	4	2	0	0	0	2	0	4		
Year	49.76	3.02	.1	5.1	6.9	n.	34	sw.	1	137	111	117	102	84	4	2	1	26	12	9	5	1	57	6	19	0	61		

MOUNT WASHINGTON OBSERVATORY, N. H.

[H=6,267 ft.; H_b=6,274 ft.; H_i=5 ft.; H_r=4 ft.; H_a=37 ft.]

January	2.29	0.51	11.2	7.7	42.7	nw.	103	sw.	31	4	7	20	15	13	21	15	0	3	2	6	27	30	0	0	31	17	0
February	2.83	.82	22.7	8.2	43.2	w.	125	ne.	27	5	2	21	14	13	18	14	0	0	8	2	24	27	0	0	28	21	0
March	3.74	.64	28.7	7.9	42.3	w.	180	w.	31	5	4	22	15	14	19	15	0	1	5	0	28	28	0	0	31	1	1
April	4.71	1.25	26.3	7.0	28.9	w.	107	sw.	25	6	7	17	14	12	12	11	0	1	6	2	23	16	0	0	25	0	2
May	3.61	1.10	2.0	8.5	28.3	w.	95	sw.	28	1	8	22	13	13	3	2	0	1	12	6	25	2	0	0	11	0	2
June	9.44	2.90	.1	8.2	20.3	w.	76	e.	28	3	3	24	17	14	0	0	3	1	1	3	26	0	0	0	1	0	6
July	5.08	1.44	.0	8.8	21.6	w.	76	nw.	22	1	3	27	21	18	0	0	1	4	2	9	29	0	0	0	3	0	4
August	4.56	1.98	.0	7.9	24.8	w.	110	w.	23	3	5	23	16	15	0	0	0	3	10	6	25	0	0	0	5	0	1
September	7.70	3.23	.0	6.4	24.8	w.	124	se.	26	9	5	16	12	11	0	0	0	6	6	1	25	1	0	0	10	0	1
October	4.98	1.70	4.0	6.7	25.2	w.	75	w.	23	7	8	16	11	11	5	4	1	1	0	1	24	6	0	0	22	0	1
November	9.58	2.37	25.3	7.7	38.4	w.	110	nw.	30	3	8	19	16	13	12	10	0	3	5	1	25	19	0	0	30	8	0
December	7.75	3.06	28.7	8.0	48.7	w.	175	w.	31	5	3	23	16	16	17	15	0	2	11	4	30	31	0	0	31	17	1
Year	66.27	3.23	148.9	7.8	32.4	w.	180	w.	325	52	63	250	180	163	107	86	5	26	68	41	311	160	0	0	228	64	19

NANTUCKET, MASS.

[H=35 ft.; H_b=12 ft.; H_i=11 ft.; H_r=4 ft.; H_a=59 ft.]

January	4.24	1.23	18.7	6.4	12.5	w.	44	ne.	2	10	5	16	11	11	12	6	0	9	3	2	0	7	0	0	22	0	1
February	2.74	1.26	3.6	5.1	12.2	nw.	35	e.	1	10	10	8	9	7	13	3	0	6	5	4	3	11	0	0	25	0	0
March	7.42	1.71	T	5.8	13.0	w.	40	e.	3	10	7	14	14	13	6	2	0	11	3	3	3	0	0	0	10	0	0
April	.90	1.58	1.8	5.1	11.1	sw.	30	ne.	0	13	6	11	12	3	3	1	0	15	5	3	1	0	0	0	1	0	0
May	2.11	1.29	.0	6.1	10.5	sw.	27	sw.	0	7	13	11	8	5	0	0	0	22	16	14	9	0	0	0	0	0	3
June	1.63	.85	.0	6.7	9.2	sw.	23	sw.	0	7	9	14	13	8	0	0	0	23	14	13	11	0	0	0	0	0	0
July	2.18	1.04	.0	5.8	10.4	sw.	25	ne.	0	10	8	13	7	6	0	0	0	26	10	10	7	0	0	0	0	0	2
August	7.12	2.73	.0	6.0	10.1	sw.	26	ne.	0	8	10	13	7	6	0	0	0	18	10	6	2	0	0	0	0	0	0
September	2.46	.99	.0	5.2	10.3	ne.	30	ne.	0	11	9	10	6	5	0	0	0	24	13	12	11	0	0	0	0	0	0
October	3.70	1.93	.0	5.5	11.3	ne.	35	ne.	1	12	5	14	7	7	0	0	0	20	2	1	1	0	0	0	0	0	2
November	3.40	.86	T	6.4	11.9	nw.	30	sw.	0	7	9	14	15	10	3	0	0	16	4	3	3	0	0	0	5	0	1
December	4.56	.95	13.0	6.5	13.3	nw.	38	sw.	2	10	5	16	15	12	14	8	0	15	2	2	2	5	0	0	21	1	1
Year	42.46	2.73	37.1	5.9	11.3	sw.	44	ne.	9	115	96	154	124	93	51	20	0	205	87	73	53	23	0	0	84	1	10

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

NASHVILLE, TENN.

Airport [$\phi=36^{\circ}07' N.$; $\lambda=86^{\circ}41' W.$] City [$\phi=36^{\circ}10' N.$; $\lambda=86^{\circ}47' W.$]

Month	Pressure				Temperature (° F.)														Moisture									
	Mean		Extremes		Mean														Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Extremes						Dew point					Relative humidity				
			Maximum	Minimum	1 30 a. m.	7 30 a. m.	1 30 p. m.	7 30 p. m.	1 30 a. m.	7 30 a. m.	1 30 p. m.	7 30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1 30 a. m.	7 30 a. m.	1 30 p. m.	7 30 p. m.	Monthly	1 30 a. m.	7 30 a. m.	1 30 p. m.	7 30 p. m.	Monthly	
In. (1)	In.	In. (1)	In. (1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)		
January	29.56	30.17	30.01	28.88	33.0	29.1	41.3	38.0	30.1	27.3	35.5	33.5	45.6	24.5	35.0	71	—9	25	24	27	27	26	73	80	58	63	69	
February	29.46	30.06	29.82	28.76	34.5	33.0	40.5	39.4	31.7	30.6	35.2	35.1	45.1	29.2	37.2	65	12	27	27	27	28	28	74	77	58	65	68	
March	29.34	29.93	29.67	28.65	47.4	43.1	57.8	54.7	42.9	40.2	48.1	46.9	61.6	39.4	50.5	80	26	38	37	38	38	38	70	79	51	56	64	
April	29.51	30.09	29.76	29.00	55.6	52.9	69.5	67.0	50.6	48.8	56.0	55.2	73.0	49.5	61.2	89	30	46	45	45	45	45	71	76	44	48	60	
May	29.43	30.01	29.64	29.15	62.7	61.5	75.8	73.4	58.2	57.3	62.6	62.0	79.7	57.0	68.4	91	42	55	54	54	55	55	77	78	49	54	65	
June	29.37	29.94	29.59	29.12	71.7	71.6	85.1	81.9	67.1	67.2	70.9	70.3	88.9	66.8	77.8	97	55	65	65	64	65	65	80	80	50	58	67	
July	29.46	30.04	29.64	29.30	74.3	74.1	87.2	84.3	70.7	70.3	74.1	73.7	91.8	70.8	81.3	97	59	69	69	68	69	69	84	84	55	62	71	
August	29.45	30.03	29.68	29.28	71.2	70.0	83.1	79.0	69.2	68.1	72.7	71.7	86.7	67.2	77.0	99	53	68	67	68	68	68	90	91	62	71	79	
September	29.48	30.06	29.85	29.13	64.3	61.9	77.5	73.2	61.7	60.0	65.6	65.4	81.1	59.1	70.1	93	37	66	59	58	60	59	86	89	54	66	74	
October	29.46	30.04	29.73	28.96	55.3	50.7	70.5	64.6	52.1	48.7	57.5	55.7	74.2	48.5	61.4	85	27	50	47	48	49	48	81	87	46	57	68	
November	29.52	30.11	29.86	29.05	50.1	45.9	58.9	54.3	46.0	43.2	50.1	47.9	62.9	42.6	52.8	80	27	41	40	41	41	41	73	80	55	63	68	
December	29.52	30.11	29.92	28.82	37.9	36.2	42.9	41.0	35.7	34.5	39.2	38.0	47.1	32.0	39.6	72	10	33	32	34	34	33	81	84	71	75	78	
Year	29.46	30.05	30.01	28.65	54.8	52.5	65.8	62.6	51.3	49.7	55.6	54.6	69.8	48.9	59.4	99	—9	48	47	48	48	48	78	82	54	62	69	

NEW HAVEN, CONN.

Airport [$\phi=41^{\circ}16' N.$; $\lambda=72^{\circ}54' W.$] City [$\phi=41^{\circ}18' N.$; $\lambda=72^{\circ}56' W.$]

	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.94	30.06	30.44	29.15	25.9	23.1	32.2	29.2	23.9	22.1	29.0	27.1	36.4	21.0	28.7	55	0	19	18	22	22	74	80	65	73	73	73	73	73	73	73	73
February	29.71	29.84	30.34	29.12	24.6	23.6	33.4	28.2	22.8	22.0	29.3	25.7	35.7	20.1	27.9	54	2	18	18	21	20	74	77	60	70	70	70	70	70	70	70	70
March	29.76	29.88	30.24	28.80	36.2	36.6	44.8	40.0	34.4	34.5	40.3	37.0	47.9	34.6	41.2	58	30	32	31	35	33	83	81	68	76	77	77	77	77	77	77	77
April	29.91	30.03	30.28	29.44	43.2	45.1	54.7	48.4	39.7	41.6	46.7	43.9	59.7	41.5	50.6	85	32	37	37	38	39	82	75	57	71	71	71	71	71	71	71	71
May	29.94	30.06	30.23	29.65	55.1	57.4	65.5	60.2	53.2	54.5	58.1	56.2	69.0	53.5	61.2	88	40	52	52	52	53	82	84	65	79	79	79	79	79	79	79	79
June	29.86	29.97	30.22	29.45	61.6	65.0	73.0	68.6	59.7	61.2	64.2	63.9	76.3	60.4	68.4	86	50	58	58	59	61	90	81	63	79	78	78	78	78	78	78	78
July	29.86	29.98	30.21	29.50	67.0	69.1	77.9	72.7	65.0	65.5	69.3	68.7	81.5	65.0	73.2	93	58	64	63	65	66	90	83	66	83	80	80	80	80	80	80	80
August	29.94	30.06	30.33	29.62	65.9	67.6	76.2	70.7	63.8	64.1	67.7	66.3	79.1	62.7	70.9	90	49	62	62	63	63	90	82	66	80	79	79	79	79	79	79	79
September	29.95	30.06	30.46	29.55	60.1	61.0	70.7	64.5	58.3	58.2	63.0	61.3	73.2	56.5	64.8	88	37	57	56	58	59	89	85	66	84	81	81	81	81	81	81	81
October	29.97	30.08	30.53	29.31	50.5	48.3	63.1	55.7	48.4	47.7	55.6	52.0	64.7	47.0	55.8	79	35	46	46	49	49	86	86	63	78	78	78	78	78	78	78	78
November	29.94	30.06	30.50	29.20	41.8	39.6	49.6	44.9	39.5	37.7	44.0	41.4	51.7	36.8	44.2	69	22	36	35	37	37	80	84	63	74	75	75	75	75	75	75	75
December	29.92	30.04	30.75	28.53	26.8	25.3	32.9	29.6	25.2	24.1	30.0	27.7	35.3	22.0	28.6	57	-7	21	22	25	24	78	85	71	78	78	78	78	78	78	78	78
Year	29.89	30.01	30.75	28.53	46.6	46.8	56.2	51.1	44.5	44.4	49.8	47.6	59.2	43.4	51.3	93	-7	42	42	44	44	84	82	64	77	77	77	77	77	77	77	77

NEW ORLEANS, LA.

Airport [$\phi=30^{\circ}02' N.$; $\lambda=90^{\circ}02' W.$] City [$\phi=29^{\circ}57' N.$; $\lambda=90^{\circ}04' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	30.14	30.19	30.56	29.60	48.0	44.6	52.9	53.2	44.0	41.8	46.4	46.7	59.9	43.1	51.5	78	26	39	38	39	40	39	71	78	61	61	61	61	61	61	61	61	61
February	29.99	30.05	30.34	29.38	50.7	48.4	55.6	54.1	46.5	45.4	48.7	48.3	59.5	45.5	52.5	76	35	42	42	41	42	42	72	79	60	65	65	65	65	65	65	65	65
March	29.92	29.98	30.28	29.50	57.3	55.5	64.3	63.3	53.7	52.6	55.2	55.3	69.0	53.3	61.2	82	39	50	50	47	47	48	79	82	56	59	59	59	59	59	59	59	59
April	30.02	30.07	30.32	29.66	63.3	62.4	73.4	70.7	60.2	59.6	63.2	62.9	76.3	61.3	68.8	84	45	58	57	56	58	57	83	84	57	65	65	65	65	65	65	65	65
May	29.96	30.01	30.12	29.71	70.0	69.2	79.9	78.4	66.6	66.4	69.2	69.3	83.6	67.8	75.7	90	58	65	65	64	64	64	84	87	58	64	73	73	73	73	73	73	73
June	29.88	29.93	30.09	29.60	76.4	76.7	83.2	81.8	73.7	74.0	75.1	74.9	87.9	74.9	81.4	94	70	73	73	72	72	72	88	86	70	73	80	80	80	80	80	80	80
July	30.01	30.07	30.17	29.83	77.8	77.9	85.6	83.5	74.8	75.2	76.7	76.5	90.4	76.2	83.3	96	70	74	74	73	74	74	87	89	68	74	74	74	74	74	74	74	74
August	29.96	30.01	30.11	29.82	77.3	77.3	85.9	81.1	74.7	74.9	77.0	75.3	89.8	75.7	82.8	95	72	74	74	73	74	74	89	89	68	78	81	81	81	81	81	81	81
September	29.96	30.01	30.20	29.65	73.9	72.5	82.0	78.9	70.0	69.2	72.0	71.6	85.1	71.4	78.2	94	54	68	68	67	68	68	82	84	62	71	71	71	71	71	71	71	71
October	29.96	30.01	30.21	29.68	69.2	67.7	77.1	73.6	65.2	64.2	67.1	66.2	81.2	66.0	73.6	88	47	63	62	62	62	62	82	83	60	68	73	73	73	73	73	73	73
November	30.05	30.11	30.38	29.66	60.0	58.5	69.2	64.6	56.6	55.9	60.2	58.7	72.4	56.1	64.2	82	42	54	54	54	54	54	80	84	60	70	74	74	74	74	74	74	74
December	30.04	30.10	30.44	29.58	54.7	52.5	60.9	58.3	52.6	50.5	54.7	54.1	65.6	49.5	57.6	79	40	50	48	50	51	50	86	87	68	77	79	79	79	79	79	79	79
Year	29.99	30.04	30.56	29.38	64.9	63.6	72.5	70.1	61.6	60.8	63.8	63.3	76.7	61.7	69.2	96	26	59	59	58	59	59	82	84	62	69	74	74	74	74	74	74	74

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

NASHVILLE, TENN.

Airport [$H=585$ ft.; $H_b=605$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=72$ ft.] City [$H=485$ ft.; $H_b=546$ ft.; $H_t=168$ ft.; $H_r=161$ ft.; $H_a=188$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 2.81	<i>In.</i> 1.72	<i>In.</i> 5.3	<i>Mi.</i> 5.5	<i>Mi.</i> 9.0	<i>s.</i> s.	<i>Mi.</i> 29	<i>sw.</i> sw.	0	12	5	14	7	7	4	2	0	6	0	0	0	7	0	0	22	4	1
February	3.50	1.16	.9	7.2	9.4	nw.	33	w.	2	5	6	17	9	8	9	1	0	8	0	0	0	3	0	0	20	0	2
March	3.82	1.11	.9	6.6	10.8	s.	39	sw.	2	6	7	18	13	11	4	3	0	12	4	1	0	0	0	0	7	0	6
April	3.96	2.55	.0	5.9	8.2	s.	31	sw.	0	9	10	11	7	5	0	0	0	4	1	0	0	0	0	0	2	0	3
May	2.39	.88	.0	5.7	7.9	s.	26	nw.	0	10	8	13	8	7	0	0	0	6	2	1	1	0	2	0	0	0	7
June	1.87	.83	.0	5.4	7.1	sw.	46	w.	1	7	15	8	12	9	0	0	0	3	1	1	1	0	18	2	0	0	9
July	2.77	1.62	.0	5.4	6.9	sw.	30	w.	0	10	9	12	12	8	0	0	0	6	1	1	1	0	21	7	0	0	12
August	8.31	1.89	.0	6.0	5.9	s.	29	w.	0	6	14	11	13	11	0	0	0	11	3	1	1	0	5	3	0	0	12
September	1.82	.79	.0	5.0	7.0	s.	23	s.	0	10	12	8	9	5	0	0	0	13	6	2	2	0	3	0	0	0	3
October	3.05	1.75	.0	4.4	5.8	s.	29	s.	0	13	11	7	11	8	0	0	0	10	0	0	0	0	0	0	2	0	2
November	2.27	.58	.0	5.4	8.9	s.	35	sw.	2	10	10	10	12	9	0	0	0	9	5	5	3	0	0	0	6	0	1
December	6.06	2.02	2.4	7.8	9.1	s.	34	nw.	1	4	7	20	13	10	8	1	0	16	7	4	3	2	0	0	15	0	2
Year	42.63	2.55	9.5	5.9	8.0	s.	46	w.	8	102	114	149	126	98	25	7	0	104	30	16	12	12	49	12	74	4	60

NEW HAVEN, CONN.

Airport [$H=6$ ft.; $H_b=13$ ft.; $H_t=5$ ft.; $H_r=4$ ft.; $H_a=39$ ft.] City [$H=23$ ft.; $H_b=107$ ft.; $H_t=74$ ft.; $H_r=68$ ft.; $H_a=153$ ft.]

January	4.42	1.42	9.0	5.0	9.4	sw.	31	s.	0	11	12	8	9	8	10	5	0	7	2	2	2	8	0	0	26	0	1
February	2.58	1.25	4.1	4.9	11.1	nw.	28	ne.	0	13	7	8	5	4	12	2	0	6	1	1	0	8	0	0	26	0	0
March	8.01	2.42	1.8	6.7	10.0	nw.	33	s.	2	5	9	17	15	11	8	2	0	11	4	3	3	0	0	0	5	0	0
April	1.32	.98	3.1	5.0	8.7	s.	27	sw.	0	10	10	10	7	4	4	3	0	7	1	0	0	0	0	0	1	0	0
May	3.67	1.82	.0	6.2	7.8	s.	21	s.	0	7	9	15	10	7	0	0	0	19	10	3	0	0	0	0	0	0	5
June	3.06	.80	.0	6.0	7.4	s.	21	nw.	0	8	10	12	11	9	0	0	0	13	4	2	0	0	0	0	0	0	3
July	7.45	2.71	.0	4.9	7.4	s.	22	sw.	0	10	14	7	11	10	0	0	0	8	5	3	1	0	2	0	0	0	4
August	10.14	2.01	.0	4.9	7.2	s.	22	n.	0	12	12	7	11	10	0	0	0	11	1	0	0	0	2	0	0	0	6
September	2.15	.73	.0	5.2	7.8	n.	28	s.	0	14	5	11	8	4	0	0	0	9	4	1	0	0	0	0	0	0	0
October	3.89	1.07	.0	5.1	8.3	n.	23	s.	0	10	12	9	8	6	0	0	0	12	4	3	3	0	0	0	0	0	0
November	4.53	1.00	T	5.9	9.5	n.	35	s.	1	7	14	9	13	11	2	0	0	11	0	0	0	1	0	0	9	0	1
December	6.49	2.56	12.8	5.8	9.8	n.	34	w.	1	12	5	14	14	12	8	6	0	14	4	0	0	9	0	0	23	3	2
Year	57.71	2.71	30.8	5.5	8.7	n.	35	s.	4	119	119	127	122	96	44	18	0	128	40	18	9	26	4	0	90	3	22

NEW ORLEANS, LA.

Airport [$H=8$ ft.; $H_b=30$ ft.; $H_t=50$ ft.; $H_r=42$ ft.; $H_a=66$ ft.] City [$H=9$ ft.; $H_b=53$ ft.; $H_t=76$ ft.; $H_r=71$ ft.; $H_a=84$ ft.]

January	1.32	0.88	0.0	3.8	7.4	ne.	21	se.	0	16	7	8	5	3	0	0	0	4	3	1	1	0	0	0	4	0	3
February	10.41	6.11	.0	7.0	7.8	ne.	22	nw.	0	4	9	15	10	9	0	0	0	0	0	0	0	0	0	0	0	0	4
March	7.33	1.99	.0	6.0	8.3	se.	27	sw.	0	10	4	17	10	9	0	0	0	4	1	0	0	0	0	0	0	0	5
April	1.51	1.51	.0	6.1	7.3	se.	19	se.	0	7	10	13	2	2	0	0	0	0	0	0	0	0	0	0	0	0	2
May	6.35	2.60	.0	5.0	6.2	se.	18	e.	0	10	14	7	7	7	0	0	0	0	0	0	0	0	1	0	0	0	6
June	16.01	6.64	.0	7.0	5.8	se.	27	e.	0	3	12	15	16	15	0	0	0	0	0	0	0	14	0	0	0	0	16
July	8.70	3.38	.0	6.3	4.5	se.	27	ne.	0	4	16	11	16	15	0	0	0	0	0	0	0	21	3	0	0	0	23
August	10.87	2.00	.0	6.4	5.4	se.	20	ne.	0	4	17	10	19	19	0	0	0	0	0	0	0	16	1	0	0	0	20
September	5.35	2.00	.0	4.4	6.3	se.	19	ne.	0	11	15	4	7	5	0	0	0	0	0	0	0	9	0	0	0	0	8
October	4.22	2.56	.0	3.6	6.2	se.	18	n.	0	16	11	4	6	6	0	0	0	2	2	1	1	0	0	0	0	0	3
November	2.23	1.58	.0	4.1	6.9	se.	20	ne.	0	14	9	7	6	4	0	0	0	4	3	2	2	0	0	0	0	0	2
December	3.77	2.10	.0	5.9	7.3	se.	19	w.	0	10	7	14	8	7	0	0	0	0	0	0	0	0	0	0	0	0	3
Year	78.07	6.64	.0	5.5	6.6	se.	27	sw.	0	109	131	125	112	101	0	0	0	14	9	4	4	0	61	4	4	0	95

NEW YORK, N. Y.

[$H=10$ ft.; $H_b=314$ ft.; $H_t=415$ ft.; $H_r=398$ ft.; $H_a=454$ ft.]

January	3.17	0.96	6.2	5.2	17.2	nw.	58	se.	12	10	11	10	10	9	6	5	0	9	2	2	2	8	0	0	26	0	3
February	2.94	1.46	1.2	5.3	22.0	nw.	58	nw.	19	12	6	10	8	6	10	4	0	6	3	2	1	7	0	0	24	0	0
March	6.76	2.34	.8	6.5	17.9	nw.	66	nw.	16	6	9	16	14	11	8	2	0	11	4	0	0	0	0	0	1	0	1
April	1.40	1.18	1.3	5.1	14.7	nw.	45	w.	10	10	11	9	4	2	3	3	0	4	1	0	0	0	0	0	0	0	0
May	1.84	.94	.0	5.5	13.5	se.	36	s.	7	9	10	12	10	7	0	0	0	12	3	2	2	0	0	0	0	0	5
June	5.69	2.98	.0	6.1	11.2	nw.	34	nw.	2	8	10	12	16	11	0	0	0	20	10	6	4	0	0	0	0	0	8
July	6.24	1.79	.0	5.4	12.2	sw.	48	nw.	6	11	9	11	13	10	0	0	0	12	3	2	2	0	3	0	0	0	11
August	7.01	2.81	.0	5.8	11.3	n.	43	nw.	2	10	9	12	11	9	0	0	0	15	0	0	0	0	0	0	0	0	7
September	3.82	1.19	.0	4.7	12.2	n.	50	s.	7	14	6	10	8	7	0	0	0	13	3	2	2	0	0	0	0	0	2
October	1.91	.62	.0	5.1	12.1	ne.	39	nw.	6	13	7	11	9	6	0	0	0	11	2	2	2	0	0	0	0	0	0
November	4.47	1.50	T	5.3	16.8	nw.	53	nw.	13	13	6	11	12	8	2	0	0	9	1	1	1	0	0	0	7	0	2
December	4.31	1.49	7.4	6.2	17.3	w.	58	w.	16	7	9	15	15	12	9	7	0	7	3	3	3	6	0	0	21	2	2
Year	49.56	2.98	16.9	5.5	14.8	nw.	66	nw.	116	123	103	139	130	98	38	21	0	129	35	22	19	21	3	0	79	2	41

NOME, ALASKA
[$\phi=64^{\circ}30' N.$; $\lambda=165^{\circ}24' W.$]

Month	Pressure				Temperature (° F.)															Moisture									
	Mean		Extremes		Mean															Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity						
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly		
January	In.	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%	
February	29.58	29.60	30.10	29.11	20.5	19.6	20.1	21.0	18.8	18.1	18.4	19.2	25.0	14.0	19.5	46	-10	14	14	14	14	14	76	77	76	74	76		
March	29.63	29.65	30.19	29.00	17.5	17.2	16.9	18.1	16.3	16.1	15.8	16.9	22.9	11.4	17.2	37	-10	12	12	12	13	12	78	79	78	78	78		
April	29.67	29.69	30.58	28.62	7.7	6.4	5.5	12.2	6.8	5.6	4.7	10.8	15.0	0.0	7.5	28	-20	2	1	0	5	2	76	77	77	70	75		
May	29.58	29.60	29.99	29.01	27.7	25.4	26.7	30.7	26.0	24.0	25.1	28.4	32.6	21.3	27.0	39	7	23	21	22	24	22	80	82	80	76	80		
June	29.94	29.96	30.52	29.38	36.0	31.2	35.5	37.8	33.2	29.4	32.7	34.6	41.1	27.6	34.4	58	3	29	26	28	30	28	75	81	76	73	76		
July	29.81	29.83	30.26	29.47	52.8	44.9	50.4	52.2	48.1	42.4	46.4	47.9	57.0	41.6	49.3	76	33	44	40	43	44	42	73	83	76	74	77		
August	29.86	29.88	30.22	29.40	49.9	46.2	48.9	51.2	47.8	45.1	47.0	48.8	53.3	43.9	48.6	66	35	46	44	45	47	45	86	92	88	85	88		
September	29.69	29.71	30.20	29.26	52.5	47.7	51.1	54.6	49.7	46.2	48.4	51.4	56.8	44.7	50.8	72	34	47	45	46	48	47	83	90	84	81	84		
October	29.75	29.77	30.28	29.24	46.3	44.4	45.1	49.0	44.9	43.0	43.6	46.3	51.0	40.7	45.8	61	29	44	41	42	43	42	90	89	88	82	87		
November	29.63	29.65	30.08	28.77	28.2	27.0	26.6	32.2	26.7	25.7	25.3	29.4	33.9	22.9	28.4	58	10	24	23	23	24	24	82	84	84	72	81		
December	29.92	29.94	30.40	29.42	14.2	14.0	13.0	14.8	13.7	13.3	12.5	14.1	19.2	6.4	12.8	34	-13	12	11	10	12	11	89	85	89	85	87		
Year	30.08	30.10	30.67	29.25	-7.1	-7.1	-7.2	-5.5	-7.5	-7.5	-7.4	-5.9	1.0	-13.5	-6.2	14	-23	-11	-10	-9	-9	-10	85	87	91	85	87		

NORTHFIELD, VT.
[$\phi=44^{\circ}08' N.$; $\lambda=72^{\circ}41' W.$]

January	29.02	30.02	29.45	28.22	-----	13.8	-----	-----	-----	12.7	-----	-----	28.5	6.5	17.5	51	-23	-----	10	-----	-----	-----	-----	84	-----	-----	-----
February	28.83	29.82	29.43	28.30	-----	10.6	-----	-----	-----	9.9	-----	-----	24.5	6.1	15.3	47	-24	-----	8	-----	-----	-----	-----	88	-----	-----	-----
March	28.89	29.86	29.46	27.96	-----	30.0	-----	-----	-----	27.9	-----	-----	41.3	25.7	33.5	58	15	-----	24	-----	-----	-----	-----	78	-----	-----	-----
April	29.05	30.01	29.42	28.59	-----	39.8	-----	-----	-----	36.4	-----	-----	55.2	33.0	44.1	82	24	-----	32	-----	-----	-----	-----	74	-----	-----	-----
May	29.09	30.03	29.38	28.81	-----	54.5	-----	-----	-----	50.7	-----	-----	68.8	45.1	57.0	82	27	-----	47	-----	-----	-----	-----	78	-----	-----	-----
June	29.02	29.95	29.38	28.68	-----	60.5	-----	-----	-----	56.7	-----	-----	74.1	50.7	62.4	89	36	-----	54	-----	-----	-----	-----	80	-----	-----	-----
July	29.03	29.96	29.42	28.74	-----	64.0	-----	-----	-----	60.1	-----	-----	77.4	54.0	65.7	92	39	-----	58	-----	-----	-----	-----	80	-----	-----	-----
August	29.10	30.04	29.52	28.74	-----	61.4	-----	-----	-----	57.9	-----	-----	76.2	52.1	64.2	86	33	-----	56	-----	-----	-----	-----	82	-----	-----	-----
September	29.11	30.06	29.56	28.63	-----	55.1	-----	-----	-----	52.3	-----	-----	70.0	45.0	57.5	88	26	-----	50	-----	-----	-----	-----	82	-----	-----	-----
October	29.12	30.08	29.72	28.57	-----	43.8	-----	-----	-----	41.1	-----	-----	60.9	34.8	47.8	73	23	-----	38	-----	-----	-----	-----	79	-----	-----	-----
November	29.06	30.03	29.62	28.40	-----	31.1	-----	-----	-----	29.5	-----	-----	43.3	24.5	33.9	63	3	-----	27	-----	-----	-----	-----	82	-----	-----	-----
December	29.00	29.99	29.90	27.53	-----	14.8	-----	-----	-----	13.7	-----	-----	26.1	8.9	17.5	42	-27	-----	11	-----	-----	-----	-----	84	-----	-----	-----
Year	29.03	29.99	29.90	27.53	-----	40.0	-----	-----	-----	37.4	-----	-----	53.9	32.2	43.0	92	-27	-----	35	-----	-----	-----	-----	81	-----	-----	-----

NORFOLK, VA.
Airport [$\phi=36^{\circ}53' N.$; $\lambda=76^{\circ}12' W.$] City [$\phi=36^{\circ}51' N.$; $\lambda=76^{\circ}17' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	30.00	30.10	30.52	29.32	36.8	33.6	44.9	39.4	34.2	32.0	38.7	36.0	48.9	33.3	41.1	67	12	30	29	30	31	30	77	83	58	71	72
February	29.85	29.95	30.37	29.15	35.7	32.7	42.1	38.2	32.1	29.6	35.4	33.7	46.3	31.4	38.8	66	16	26	24	24	26	25	66	68	49	61	61
March	29.81	29.91	30.17	28.75	45.8	45.2	54.6	49.8	42.6	42.3	46.9	45.2	59.4	42.8	51.1	80	35	39	39	38	40	39	78	80	58	71	72
April	29.99	30.08	30.30	29.55	51.4	52.9	66.5	58.5	47.1	48.0	53.4	50.8	70.6	49.9	60.2	90	36	43	43	42	44	43	74	70	44	60	62
May	29.95	30.05	30.20	29.62	63.5	66.1	76.1	69.0	60.7	61.6	64.6	63.0	79.7	62.1	70.9	95	54	59	59	58	60	59	86	78	55	73	73
June	29.87	29.97	30.21	29.50	70.9	73.9	82.4	76.4	67.9	69.3	71.0	69.8	85.4	69.2	77.3	98	64	66	67	65	67	66	86	80	58	73	74
July	29.91	30.01	30.13	29.71	73.9	77.7	86.5	81.1	71.4	73.2	74.2	73.6	90.6	73.5	82.0	104	67	70	71	69	70	70	89	81	58	71	75
August	29.96	30.06	30.29	29.70	71.7	73.9	80.5	75.2	69.1	70.2	71.8	70.4	84.5	70.7	77.6	101	64	68	68	68	68	68	88	84	67	79	80
September	29.96	30.05	30.38	29.60	68.6	69.7	79.1	71.1	66.5	67.0	69.3	67.5	82.3	66.9	74.6	94	52	65	65	64	65	65	89	86	62	82	80
October	29.94	30.04	30.36	29.48	58.0	58.4	68.4	60.8	56.1	56.5	61.0	58.3	71.4	57.7	64.6	82	41	55	55	56	56	56	90	89	67	86	83
November	30.02	30.12	30.41	29.42	48.9	47.7	60.1	51.8	46.2	45.4	51.4	47.8	62.9	46.8	54.8	79	32	43	43	43	43	43	81	83	55	74	73
December	30.00	30.10	30.60	28.93	39.5	37.2	44.7	40.5	37.2	35.3	40.0	37.8	50.0	34.8	42.4	75	11	34	32	34	33	33	80	81	67	77	76
Year	29.94	30.04	30.60	28.75	55.4	55.8	65.5	59.3	52.6	52.5	56.5	54.5	69.3	53.3	61.3	104	11	50	50	49	50	50	82	80	58	73	73

NORTH HEAD, WASH.
[$\phi=46^{\circ}18' N.$; $\lambda=124^{\circ}05' W.$]

January	29.84	30.08	30.25	29.17	42.8	41.6	43.4	45.4	39.3	38.2	39.6	41.2	48.4	38.6	43.5	57	22	34	33	34	36	34	74	74	72	71	73
February	29.79	30.02	30.26	29.17	44.0	43.1	44.2	46.7	41.8	41.2	42.2	43.8	49.0	40.4	44.7	54	35	39	39	40	40	40	84	86	85	80	84
March	29.86	30.10	30.25	29.36	44.5	43.0	46.2	47.2	42.4	41.2	43.5	44.2	50.6	40.1	45.4	64	33	40	39	40	41	40	85	87	82	79	83
April	29.71	29.94	30.05	29.16	48.1	47.3	50.9	50.9	45.5	45.4	47.3	47.6	54.7	44.6	49.6	62	41	43	43	44	44	44	83	87	78	79	81
May	29.81	30.03	30.13	29.39	51.1	50.3	54.8	55.2	49.0	48.5	51.4	51.5	58.5	48.3	53.4	66	43	47	47	48	48	48	86	88	80	78	83
June	29.84	30.06	30.05	29.50	54.7	54.2	58.2	58.4	52.3	52.0	54.6	54.5	61.0	52.4	56.7	94	48	50	50	52	52	51	86	86	81	80	83
July	29.84	30.06	30.06	29.48	61.2	59.5	62.4	63.5	58.4	57.6	59.7	60.2	66.5	57.3	61.9	97	53	57	56	58	58	57	87	90	86	83	86
August	29.81	30.03	30.05	29.62	57.9	57.2	61.0	61.6	56.7	56.0	58.2	58.4	64.8	55.0	59.9	84	52	56	55	56	56	56	93	94	86	83	89
September	29.82	30.05	30.09	29.55	55.6	54.8	58.1	58.2	53.9	53.2	55.1	55.4	61.8	52.3	57.0	81	47	52	52	53	53	52	91	91	84	85	88
October	29.85	30.08	30.11	29.43	54.1	52.9	56.2	56.6	52.2	51.1	53.4	53.5	60.1	49.9	55.0	73	41	50	49	51	51	50	89	90	85	82	86
November	29.70	29.93	30.28	28.75	46.8	46.0	47.4	49.0	44.3	44.0	44.8	45.6	52.5	42.3	47.4	65	37	42	42	42	42	42	83	86	83	79	83
December	29.76	30.00	30.20	29.17	44.7	44.2	45.2	45.8	43.1	43.0	44.0	44.0	48.6	40.5	44.6	58	32	41	42	42	42	42	89	90	91	87	89
Year	29.80	30.03	30.28	28.75	50.5	49.5	52.3	53.2	48.2	47.6	49.5	50.0	56.4	46.8	51.6	94	22	46	46	47	47	46	86	87	83	80	84

MONTHLY AND ANNUAL SUMMARIES

95

NOME, ALASKA

[H=17 ft.; H_b=22 ft.; H_t=25 ft.; H_r=25 ft.; H_a=56 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below
January	<i>In.</i> 0.63	<i>In.</i> 0.17	<i>In.</i> 4.8	6.4	<i>Mi.</i> 11.4	ne.	42	e.	4	11	2	18	13	8	15	11	0	7	2	2	1	22	0	0	28	5	0
February	.96	.23	9.7	7.9	13.4	ne.	43	n.	6	3	6	19	15	10	20	14	0	11	8	4	1	20	0	0	28	5	0
March	.76	.25	8.3	6.7	9.6	ne.	36	e.	2	8	5	18	11	6	15	11	0	6	0	0	31	0	0	31	16	0	
April	2.00	.68	14.5	8.4	13.1	ne.	34	sw.	3	4	4	22	11	9	19	10	0	8	3	0	15	0	0	30	0	0	
May	1.11	.43	4.5	6.4	7.7	n.	27	sw.	0	6	14	11	10	6	6	4	0	11	4	3	2	4	0	0	22	0	0
June	1.37	.88	.0	6.1	9.5	w.	37	sw.	1	8	10	12	12	6	0	0	0	7	0	0	0	0	0	0	0	0	0
July	4.08	1.66	.0	8.7	9.9	s.	35	sw.	2	1	5	25	17	8	0	0	21	10	5	4	0	0	0	0	0	0	0
August	1.61	.58	.0	8.5	10.0	sw.	34	sw.	2	0	8	23	15	11	0	0	13	3	1	0	0	0	0	0	0	0	0
September	5.20	1.39	.1	7.8	12.9	ne.	37	se.	6	4	6	20	21	16	1	1	0	18	1	0	0	0	0	0	3	0	0
October	1.45	.38	11.7	5.9	9.4	n.	29	se.	0	10	10	11	12	9	15	11	0	6	3	0	0	10	0	0	29	0	0
November	1.43	.30	13.7	6.5	10.3	n.	41	n.	4	8	7	15	15	12	20	14	0	9	3	1	0	25	0	0	30	12	0
December	.24	.13	2.5	4.2	4.5	n.	22	ne.	0	14	8	9	6	3	11	6	0	9	1	1	1	31	0	0	31	30	0
Year	20.84	1.66	69.8	7.0	10.1	ne.	43	n.	30	77	85	203	158	104	122	82	0	126	38	17	9	158	0	0	232	68	0

NORTHFIELD, VT.

[H=876 ft.; H_b=876 ft.; H_t=16 ft.; H_r=3 ft.; H_a=60 ft.]

January	2.28	0.79	12.5	6.7	8.3	sw.	26	sw.	0	7	8	16	11	6	20	11	0	0	0	0	21	0	0	30	13	0	
February	1.55	.59	18.1	7.1	8.2	n.	27	ne.	0	6	5	17	15	10	20	14	0	0	0	0	23	0	0	28	8	0	
March	4.01	1.14	20.3	7.7	7.6	sw.	32	sw.	1	6	2	23	16	12	17	12	0	1	0	0	0	0	0	30	0	0	
April	2.91	1.19	6.3	6.0	7.7	n.	21	s.	0	10	5	15	15	11	7	4	0	1	0	0	0	0	0	15	0	2	
May	1.93	.54	.0	7.7	7.8	s.	31	s.	0	0	16	15	12	7	0	0	0	2	1	1	0	0	0	3	0	2	
June	5.02	2.58	.0	6.9	6.4	s.	20	sw.	0	6	10	14	14	9	0	0	0	3	1	0	2	0	0	0	0	7	
July	1.41	.31	.0	6.9	6.6	sw.	27	sw.	0	3	12	16	13	9	0	0	0	5	0	0	0	1	0	0	0	5	
August	1.34	.74	.0	6.1	6.2	sw.	21	s.	0	8	13	10	12	4	0	0	0	7	2	1	1	0	0	0	0	2	
September	4.93	2.22	.0	6.0	7.0	sw.	32	s.	1	9	8	13	12	9	0	0	0	6	3	2	3	0	0	0	5	1	
October	3.29	1.57	T	5.2	7.2	s.	22	s.	0	11	10	10	7	4	2	0	0	4	2	1	2	0	0	0	14	0	
November	3.15	1.11	12.1	6.8	7.4	n.	32	s.	1	9	3	18	13	11	9	6	0	4	1	1	1	6	0	24	0	0	
December	3.43	1.75	14.9	7.7	7.5	sw.	30	sw.	0	4	4	23	14	8	21	13	0	1	0	0	0	21	0	0	31	11	0
Year	35.25	2.58	84.2	6.7	7.3	sw.	32	s.	3	79	96	190	154	100	96	60	0	34	10	6	9	71	1	0	180	32	19

NORFOLK, VA.

Airport [H=25 ft. H_b=30 ft.; H_t=6 ft.; H_r=4 ft.; H_a=38 ft.] City [H=11 ft.; H_b=91 ft.; H_t=80 ft.; H_r=73 ft.; H_a=125 ft.]

January	2.76	0.90	2.4	5.4	9.6	n.	32	n.	1	12	6	13	10	9	4	3	0	9	2	1	1	3	0	0	11	0	0
February	2.63	2.05	T	5.5	11.1	nw.	27	s.	0	12	3	13	4	3	3	0	0	1	0	0	0	1	0	0	17	0	0
March	5.52	1.49	.0	6.0	12.2	sw.	37	s.	6	11	6	14	15	12	0	0	0	11	3	0	0	0	0	0	0	0	6
April	.73	.64	.0	3.6	9.8	sw.	38	nw.	2	18	7	5	4	2	0	0	0	0	4	1	1	1	0	0	1	0	0
May	2.70	.73	.0	5.3	9.5	sw.	31	nw.	0	9	14	8	9	7	0	0	1	8	3	2	0	0	3	0	0	0	7
June	1.23	.45	.0	6.3	8.6	e.	24	w.	0	5	15	10	10	7	0	0	0	10	3	4	1	0	8	1	0	8	
July	1.61	.53	.0	5.9	7.8	w.	33	nw.	1	7	13	11	11	9	0	0	0	9	1	2	1	0	15	8	0	11	
August	15.61	6.84	.0	7.5	8.9	sw.	37	n.	3	1	14	16	17	14	0	0	0	9	1	0	0	0	8	3	0	8	
September	2.83	1.30	.0	5.8	8.8	ne.	29	n.	0	8	12	10	8	5	0	0	0	13	4	4	2	0	6	0	0	5	
October	5.87	2.49	.0	5.7	9.3	ne.	32	e.	1	11	5	15	10	9	0	0	0	16	6	2	1	0	0	0	0	3	
November	.96	.44	.0	4.7	10.1	ne.	29	nw.	0	13	8	9	10	5	0	0	0	8	2	0	2	0	0	0	1	0	1
December	5.15	.81	7.7	6.5	10.9	w.	40	w.	1	9	6	16	15	13	7	2	0	20	8	3	4	1	0	0	11	0	1
Year	47.60	6.84	10.1	5.7	9.7	sw.	40	w.	15	116	109	140	123	95	14	5	1	118	34	19	13	5	41	12	40	0	50

NORTH HEAD, WASH.

[H=194 ft.; H_b=211 ft.; H_t=5 ft.; H_r=3 ft.; H_a=56 ft.]

January	8.07	2.15	T	7.6	15.6	e.	40	sw.	5	5	4	22	18	17	2	1	0	4	3	1	0	0	0	0	6	0	0
February	5.62	1.39	0.0	7.5	12.1	se.	43	s.	5	3	9	16	21	20	0	0	0	2	5	4	4	1	0	0	0	0	0
March	4.76	.91	T	7.4	13.2	s.	49	s.	11	2	12	17	22	20	3	0	7	7	3	3	2	0	0	0	0	0	0
April	3.76	.80	.0	8.6	13.7	s.	63	s.	8	0	7	23	18	16	0	0	2	2	1	0	0	0	0	0	0	0	0
May	2.74	.79	.0	8.3	10.9	nw.	35	s.	1	0	7	24	18	14	0	0	0	4	2	2	1	0	0	0	0	0	0
June	3.26	.72	.0	7.5	14.5	n.	43	sw.	5	4	6	20	16	13	0	0	0	4	2	0	0	1	0	0	0	0	0
July	1.40	.58	.0	7.4	12.4	n.	34	n.	2	4	7	20	13	7	0	0	0	9	4	2	3	0	0	0	0	0	0
August	.85	.42	.0	7.3	11.3	n.	30	n.	0	5	7	19	16	6	0	0	0	10	9	4	8	0	1	0	0	1	0
September	.52	.35	.0	7.2	10.7	n.	36	s.	2	6	8	16	11	3	0	0	0	16	16	6	13	0	0	0	0	0	0
October	5.93	2.94	.0	6.9	12.4	s.	54	s.	9	7	10	14	20	14	0	0	1	17	9	6	6	0	0	0	0	0	0
November	12.29	1.76	.0	7.7	16.5	se.	60	s.	15	3	7	20	24	22	0	0	4	5	3	2	2	0	0	0	0	0	1
December	8.83	1.41	T	8.4	15.7	se.	65	s.	13	1	7	23	28	24	1	0	6	8	7	3	6	0	0	0	0	0	2
Year	58.03	2.94	T	7.6	13.3	n.	65	s.	76	40	91	234	225	176	6	1	22	91	63	33	42	0	2	0	6	0	4

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

NORTH PLATTE, NEB.

Airport [$\phi=41^{\circ} 08' N.$; $\lambda=100^{\circ} 42' W.$] City [$\phi=41^{\circ} 08' N.$; $\lambda=100^{\circ} 45' W.$]

Month	Pressure				Temperature (° F.)													Moisture															
	Mean		Extremes		Mean													Extremes								Mean							
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point				Relative humidity											
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Month/y						
			In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)						° (2)	° (2)	° (2)	° (2)	° (2)	% (2)	% (2)	% (2)	% (2)	% (2)						
January	27.17	30.22	27.58	26.67	19.0	16.3	30.8	29.0	18.1	15.3	26.2	25.4	38.1	14.0	26.0	62	-16	16	13	19	20	17	88	88	61	68	76						
February	27.03	30.07	27.28	26.65	19.8	17.6	28.6	28.6	19.1	17.0	25.6	26.0	34.0	15.3	24.6	57	-9	18	15	21	22	19	92	91	73	75	83						
March	26.94	29.91	27.40	26.40	31.8	28.6	42.1	43.2	29.8	27.1	35.0	36.1	48.9	26.9	37.9	71	10	27	25	26	27	26	81	85	54	54	68						
April	26.96	29.88	27.41	26.50	47.5	42.6	58.3	60.1	43.9	40.6	43.2	49.8	65.0	41.8	53.4	80	26	40	38	38	40	39	77	85	52	52	66						
May	26.96	29.86	27.38	26.36	51.3	48.1	62.9	64.5	48.2	46.3	53.3	54.1	68.7	45.7	57.2	91	33	46	44	46	46	46	82	88	56	55	70						
June	26.99	29.86	27.43	26.69	61.9	59.4	71.7	74.3	59.2	57.2	62.3	63.4	77.5	58.3	67.9	92	48	58	56	57	57	57	87	88	62	58	74						
July	27.07	29.92	27.41	26.79	68.8	62.8	84.0	86.8	61.9	59.6	67.4	68.6	89.9	63.2	76.6	101	53	58	58	59	60	59	70	85	44	42	60						
August	27.05	29.91	27.33	26.81	67.0	62.1	80.0	80.8	62.4	59.6	66.7	66.7	85.4	62.1	73.8	96	52	60	58	60	59	59	79	87	52	50	67						
September	27.08	29.98	27.42	26.71	53.5	50.4	66.4	66.4	50.8	48.7	56.9	56.7	72.7	48.9	60.8	92	27	49	47	50	50	49	84	89	58	58	72						
October	27.06	29.99	27.44	26.63	45.1	39.1	60.6	58.2	41.3	37.0	49.0	48.0	66.2	39.2	52.7	91	16	37	35	39	39	37	75	84	46	51	64						
November	27.01	29.99	27.52	26.30	32.4	27.7	45.8	41.8	29.3	25.8	37.6	35.2	52.4	25.7	39.0	71	2	25	23	27	26	25	74	82	52	55	66						
December	27.06	30.08	27.56	26.74	25.0	22.9	35.2	32.4	24.0	22.2	31.2	29.4	41.5	20.8	31.2	58	3	22	21	26	25	24	88	92	69	74	81						
Year	27.03	29.97	27.58	26.30	43.6	39.8	55.5	55.5	40.7	38.0	46.6	46.6	61.7	38.5	50.1	101	-16	38	36	39	39	38	81	87	57	58	71						

OKLAHOMA CITY, OKLA.

Airport [$\phi=35^{\circ} 24' N.$; $\lambda=97^{\circ} 36' W.$] City [$\phi=35^{\circ} 26' N.$; $\lambda=97^{\circ} 30' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	28.90	30.23	29.35	28.26	33.5	29.4	40.9	40.7	29.9	26.9	34.0	34.1	48.5	27.2	37.8	73	2	24	23	24	25	24	70	77	53	54	64	64
February	28.71	30.02	29.17	28.17	37.0	33.8	43.3	44.2	34.1	32.1	37.7	38.4	50.0	31.5	40.8	77	7	30	29	31	31	30	76	83	62	60	70	70
March	28.62	29.91	29.16	28.07	45.4	40.1	55.1	57.3	39.9	36.7	44.0	45.1	62.9	39.0	51.0	82	30	33	32	30	31	31	63	73	43	39	54	54
April	28.64	29.91	29.02	28.29	57.3	55.2	66.3	67.0	54.1	53.1	58.0	58.2	72.2	53.5	62.8	89	33	52	51	52	52	52	83	88	63	63	74	74
May	28.65	29.91	29.00	28.21	62.5	58.4	73.0	75.3	57.1	55.0	61.6	62.1	79.1	56.8	68.0	91	39	53	52	54	53	53	72	81	53	48	64	64
June	28.60	29.85	28.97	28.34	72.2	69.9	81.4	82.7	68.7	67.3	71.4	72.2	86.0	68.2	77.1	94	52	67	66	67	68	67	84	88	63	62	74	74
July	28.74	29.98	28.93	28.59	75.7	71.8	87.8	89.6	69.1	67.4	72.3	72.4	92.6	71.4	82.0	99	64	66	65	65	64	65	73	81	48	44	62	62
August	28.69	29.94	28.89	28.58	74.6	71.1	85.0	85.8	70.0	67.9	72.8	72.7	89.8	70.3	80.0	100	62	68	67	68	67	67	81	87	58	56	70	70
September	28.73	29.99	29.08	28.42	65.8	61.2	75.1	75.6	62.1	58.9	64.3	65.6	80.8	60.1	70.4	91	38	60	57	58	60	59	82	87	57	60	72	72
October	28.72	30.00	29.02	28.21	57.8	54.6	67.8	65.0	53.7	52.6	57.0	56.4	71.4	52.5	62.0	84	29	50	49	49	50	50	77	83	54	60	69	69
November	28.73	30.02	29.25	28.10	47.7	44.8	57.2	54.7	43.8	41.9	49.6	47.6	63.3	41.1	52.2	80	20	40	39	42	41	40	73	78	59	60	68	68
December	28.77	30.08	29.19	28.29	37.8	35.9	43.5	42.2	35.8	34.3	38.8	38.6	49.3	32.2	40.8	68	21	33	32	33	34	33	83	85	68	75	78	78
Year	28.71	29.99	29.35	28.07	55.6	52.2	64.7	65.0	51.5	49.5	55.1	55.3	70.5	50.3	60.4	100	2	48	47	48	48	48	76	83	57	57	68	68

OMAHA, NEBR.

Airport [$\phi=41^{\circ} 18' N.$; $\lambda=95^{\circ} 54' W.$]

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OSWEGO, N. Y.

[$\phi=43^{\circ} 27' N.$; $\lambda=76^{\circ} 31' W.$]

January	29.64	30.02	30.12	28.80		21.7	25.8	25.5		19.8	23.3	23.5	31.2	16.5	23.8	48	—4		14	17	18	17		71	69	73	71
February	29.54	29.92	30.11	28.87		21.4	22.4	23.8		19.9	20.4	21.6	27.4	16.6	22.0	42	—5		16	15	16	16		78	71	70	73
March	29.48	29.85	29.96	28.45		34.6	39.0	37.5		32.1	35.1	34.4	41.5	31.1	36.3	58	23		28	30	30	29		77	68	74	73
April	29.65	30.02	29.98	29.15		44.4	51.1	49.1		40.4	44.1	43.3	55.2	39.4	47.3	78	30		36	37	37	36		72	60	66	66
May	29.64	30.00	29.97	29.30		55.5	60.2	59.5		52.1	53.8	54.1	65.9	49.0	57.4	86	36		49	48	50	49		80	67	72	73
June	29.59	29.95	29.95	29.28		63.3	67.7	66.5		59.3	60.9	60.4	72.6	56.9	64.8	91	48		57	57	56	57		79	69	71	73
July	29.60	29.96	29.90	29.29		66.5	72.7	71.5		62.6	64.7	64.4	77.2	62.2	69.7	92	53		60	60	60	60		81	66	69	72
August	29.66	30.02	30.02	29.35		64.7	72.7	70.3		61.0	64.3	64.0	76.1	60.7	68.4	88	48		59	59	60	59		82	64	71	72
September	29.66	30.02	30.15	29.13		58.9	66.3	63.4		55.4	58.2	57.6	70.5	54.5	62.5	88	39		52	52	53	52		80	62	70	70
October	29.65	30.03	30.22	29.08		49.1	57.5	54.4		45.5	49.8	49.0	60.0	45.7	52.8	75	31		42	42	44	42		76	59	68	68
November	29.65	30.03	30.23	28.99		38.6	43.1	40.3		35.7	38.4	36.4	46.6	33.5	40.0	65	20		32	32	31	31		75	65	69	70
December	29.63	30.02	30.35	28.45		24.0	26.1	25.4		22.1	23.6	23.5	30.1	18.2	24.2	40	—20		17	18	19	18		74	69	75	73
Year	29.62	29.99	30.35	28.45		45.2	50.4	48.9		42.2	44.7	44.4	54.5	40.4	47.4	92	—20		38	39	40	39		77	66	71	71

MONTHLY AND ANNUAL SUMMARIES

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TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

NORTH PLATTE, NEBR.

Airport [H=2,783 ft.; H_b=2,787 ft.; H_t=5 ft.; H_r=3 ft.; H_a=45 ft.] City [H=2,805 ft.; H_b=2,821 ft.; H_t=11 ft.; H_r=4 ft.; H_a=51 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 0.25	<i>In.</i> 0.11	<i>In.</i> 2.0	3.5	<i>Mi.</i> 7.7	w.	22	n.	0	17	7	7	6	3	7	5	0	2	0	0	0	10	0	0	31	9	0
February	1.32	.81	15.3	5.5	6.9	w.	26	n.	0	9	9	10	11	4	14	11	0	9	3	3	3	13	0	0	26	3	0
March	1.41	.96	6.2	4.6	9.5	nw.	32	n.	1	11	12	8	7	5	11	5	0	3	3	1	0	0	0	0	26	0	1
April	6.83	4.30	.0	6.2	9.6	s.	28	se.	0	4	14	12	10	8	0	0	1	2	0	0	0	0	0	0	4	0	6
May	3.70	1.21	T	4.2	9.2	se.	30	nw.	0	13	12	6	10	8	1	1	2	4	2	0	1	0	0	0	0	0	8
June	5.06	.97	.0	5.3	7.9	ne.	27	nw.	0	9	12	9	16	13	0	0	1	6	2	0	0	0	0	0	0	0	15
July	1.82	.88	.0	2.5	6.4	s.	23	ne.	0	21	10	0	6	6	0	0	0	2	1	0	1	0	18	8	0	0	9
August	1.40	.69	.0	4.1	7.1	s.	30	ne.	0	13	16	2	7	5	0	0	2	4	2	0	2	0	0	2	0	0	7
September	7.54	6.32	.0	5.0	7.0	s.	34	ne.	1	13	6	11	8	7	0	0	0	5	1	1	1	0	3	0	1	0	3
October	.01	.01	T	4.9	6.9	nw.	27	n.	0	12	10	9	1	0	1	0	0	3	0	0	0	0	1	0	7	0	0
November	.25	.11	1.7	5.7	7.9	w.	25	nw.	0	9	11	10	4	2	6	2	0	4	1	2	1	3	0	0	23	0	0
December	.15	.08	.9	6.6	6.9	w.	24	n.	0	8	9	14	3	2	9	2	0	9	3	5	3	5	0	0	31	0	0
Year	29.74	6.32	26.1	4.8	7.7	w.	34	ne.	2	139	128	98	89	63	49	26	6	53	18	12	12	31	33	10	149	12	49

OKLAHOMA CITY, OKLA.

Airport [H=1,280 ft.; H_b=1,304 ft.; H_t=27 ft.; H_r=24 ft.; H_a=60 ft.] City [H=1,254 ft.; H_b=1,214 ft.; H_t=10 ft.; H_r=3 ft.; H_a=47 ft.]

January	0.37	0.28	2.2	4.5	9.3	nw.	26	nw.	0	10	17	4	4	2	4	2	0	2	0	0	0	8	0	0	17	0	1
February	1.40	.77	2.7	5.6	10.2	s.	28	nw.	0	10	8	10	7	6	4	4	0	7	3	2	2	2	0	0	15	0	2
March	.53	.21	.8	4.3	10.6	s.	33	s.	1	15	9	7	5	4	2	1	0	2	2	2	2	0	0	0	7	0	2
April	8.58	3.19	T	6.1	11.0	s.	27	s.	0	9	6	15	15	14	1	0	1	6	2	2	1	0	0	0	0	0	6
May	.43	.32	.0	4.3	10.9	s.	25	s.	0	14	10	7	6	3	0	0	0	3	0	0	0	0	3	0	0	0	2
June	6.97	2.01	.0	5.9	9.4	s.	24	s.	0	8	11	11	13	12	0	0	0	6	2	2	2	0	0	0	0	0	9
July	.60	.52	.0	2.9	8.8	s.	19	s.	0	22	5	4	2	2	0	0	0	6	2	0	2	0	13	0	0	0	5
August	4.87	1.36	.0	5.0	7.5	s.	31	nw.	0	10	13	8	11	10	0	0	0	9	0	0	0	22	10	0	0	0	9
September	6.73	2.75	.0	4.1	8.5	s.	26	nw.	0	15	6	9	10	9	0	0	0	3	2	1	1	0	7	0	0	0	5
October	2.50	1.53	.0	4.7	7.5	s.	24	sw.	0	16	3	12	9	6	0	0	0	6	3	1	1	0	0	0	1	0	3
November	.73	.50	T	4.3	11.1	s.	27	nw.	0	16	6	8	5	4	1	0	0	4	3	2	2	0	0	0	6	0	1
December	2.07	.84	4.8	5.5	8.8	s.	26	n.	0	14	2	15	7	5	7	1	0	4	4	4	3	3	0	0	18	0	1
Year	35.78	3.19	10.5	4.8	9.5	s.	33	s.	1	159	96	110	94	77	19	8	2	65	21	16	14	13	61	15	64	0	46

OMAHA, NEBR.

Airport [H=978 ft.; H_b=982 ft.; H_t=5 ft.; H_r=4 ft.; H_a=68 ft.]

January	0.09	0.09	6.4	4.2	11.2	nw.	38	nw.	3	15	7	9	1	1	4	1	0	6	3	2	1	10	0	0	28	10	0
February	1.93	1.25	21.9	7.2	10.4	nw.	34	nw.	2	3	10	15	11	9	17	10	0	10	5	4	3	15	0	0	26	2	0
March	1.50	.41	3.7	7.2	14.4	nw.	42	nw.	10	4	10	17	10	8	9	4	2	9	0	0	0	0	0	0	18	0	4
April	.52	.21	.0	5.8	14.6	s.	43	sw.	3	7	12	11	7	4	0	0	0	3	2	1	0	0	0	0	5	0	3
May	3.93	1.09	.0	6.1	12.8	se.	46	se.	7	8	9	14	13	10	0	0	1	9	1	1	0	2	0	0	0	0	10
June	5.40	3.48	.0	6.7	11.3	se.	65	n.	2	3	13	14	11	10	0	0	2	7	0	0	0	6	1	0	0	0	10
July	4.49	2.01	.0	4.6	9.8	s.	44	nw.	5	10	14	7	11	9	0	0	2	6	1	2	1	0	15	5	0	0	12
August	3.25	1.30	.0	5.2	10.1	s.	34	w.	3	11	11	9	7	7	0	0	0	5	1	1	1	0	4	0	0	0	4
September	3.84	.99	.0	6.7	11.0	s.	35	nw.	2	6	8	16	12	11	0	0	0	12	3	3	1	0	2	0	2	0	7
October	1.01	.89	.0	4.4	9.5	nw.	31	nw.	0	15	7	9	5	3	0	0	1	7	1	1	1	0	0	0	4	0	1
November	.18	.07	1.0	6.3	13.0	s.	38	s.	4	8	8	14	6	1	5	3	0	6	2	1	1	2	0	0	19	0	0
December	.56	.28	7.0	7.8	10.9	s.	37	nw.	3	4	7	20	7	4	13	6	0	13	6	1	2	17	0	0	31	0	0
Year	26.70	3.48	40.0	6.0	11.6	s.	65	n.	44	94	116	155	101	77	48	24	8	93	25	17	12	46	29	8	133	12	51

OSWEGO, N. Y.

[H=335 ft.; H_b=335 ft.; H_t=71 ft.; H_r=69 ft.; H_a=85 ft.]

January	2.31	0.59	24.3	8.4	11.2	s.	30	sw.	0	1	6	24	16	13	20	12	0	0	1	1	1	15	0	0	30	2	0
February	3.15	1.49	20.9	8.4	13.0	nw.	28	nw.	0	2	7	19	15	13	22	13	0	0	0	1	0	0	0	0	28	1	0
March	4.18	1.23	8.7	7.1	11.2	w.	29	w.	0	6	7	18	14	14	16	10	0	2	1	0	0	0	0	0	19	0	2
April	2.76	1.17	8.0	6.2	9.3	w.	22	n.	0	7	10	13	13	11	4	2	0	1	0	0	0	0	0	0	3	0	1
May	3.98	1.09	.0	6.6	7.9	s.	26	se.	0	4	12	15	18	14	0	0	0	4	1	0	0	0	0	0	0	0	4
June	2.28	1.11	.0	5.1	7.4	w.	24	n.	0	13	7	10	12	10	0	0	0	2	0	0	0	2	0	0	0	0	3
July	2.74	.93	.0	4.1	7.2	w.	24	nw.	0	17	9	5	13	8	0	0	0	2	1	1	0	0	0	0	0	0	5
August	1.41	.75	.0	4.8	7.3	s.	24	n.	0	12	12	7	11	8	0	0	0	5	0	0	2	0	0	0	0	0	3
September	3.28	1.26	.0	5.7	-----	s.	-----	-----	9	10	11	14	13	0	0	0	1	4	0	0	0	0	0	0	0	0	3
October	3.35	1.27	T	5.3	9.3	se.	22	se.	0	10	15	6	12	10	2	0	0	2	0	0	0	0	0	0	1	0	0
November	2.91	.79	8.7	7.0	11.3	s.	30	w.	0	6	8	16	21	17	9	8	1	4	0	0	0	1	0	0	14	0	0
December	5.54	2.01	25.5	9.0	12.6	se.	38	w.	2	3	0	28	20	18	21	14	0	3	0	0	0	13	0	0	27	3	0
Year	37.89	2.01	96.1	6.5	-----	se.	38	w.	-----	90	103	172	179	149	94	59	3	29	4	3	3	50	3	0	122	6	21

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

PALESTINE, TEX.
[$\phi=31^{\circ}45'N.$; $\lambda=95^{\circ}40'W.$]

Month	Pressure				Temperature (° F.)												Moisture										
	Mean		Extremes		Mean												Extremes										
	Station level	Sea level	Station level		Dry bulb				Wet bulb								Dew point				Relative humidity						
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
January	In.	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
February	29.60	30.23	30.14	29.10	44.5	39.9	50.1	50.4	39.3	36.3	42.3	41.8	55.7	35.8	45.8	77	15	33	32	33	32	32	66	75	56	53	62
March	29.51	30.05	29.92	28.99	47.0	43.3	51.5	53.0	42.5	40.1	44.0	45.5	57.3	40.0	48.6	74	24	37	36	34	36	36	68	75	55	55	63
April	29.41	29.94	29.88	29.00	53.9	50.2	62.3	64.3	47.1	45.8	50.6	50.7	67.6	47.4	57.5	85	34	39	40	37	35	38	60	71	45	40	54
May	29.46	29.99	29.84	29.12	62.4	59.5	70.4	71.0	58.6	57.5	61.0	61.4	74.5	57.8	66.2	86	40	56	56	54	54	55	79	88	59	60	72
June	29.44	29.97	29.71	29.13	67.8	65.5	76.0	76.7	64.5	63.1	67.1	67.5	81.1	63.0	72.0	90	48	62	62	63	62	63	87	87	64	64	74
July	29.37	29.89	29.64	29.10	75.2	72.7	83.8	83.9	71.8	70.6	73.3	73.9	88.6	70.4	79.5	93	64	70	70	69	70	70	85	90	62	62	75
August	29.53	30.05	29.71	29.37	76.3	73.8	86.9	87.1	72.2	71.6	73.9	73.9	91.1	72.6	81.8	96	67	70	71	68	68	69	83	90	55	55	71
September	29.46	29.98	29.60	29.13	76.6	73.6	86.0	86.1	73.2	72.3	74.4	74.4	90.6	72.8	81.7	95	70	72	72	70	70	71	86	93	61	60	75
October	29.50	30.02	29.84	29.28	69.8	66.5	79.4	77.3	66.2	64.7	68.2	68.2	83.6	64.5	74.0	92	42	64	63	62	63	63	83	90	57	64	73
November	29.49	30.02	29.77	29.06	63.8	59.2	74.6	71.8	58.4	56.1	62.5	61.1	78.2	57.1	67.6	86	42	55	54	54	54	54	74	82	52	56	66
December	29.54	30.08	29.90	29.02	48.8	45.8	55.0	55.0	45.9	43.9	48.4	48.7	60.4	41.8	51.1	83	33	49	48	48	49	48	72	78	55	59	66
Year	29.50	30.03	30.14	28.99	62.0	58.7	70.2	70.2	57.8	56.1	60.2	60.3	75.0	56.3	65.6	96	15	54	54	53	53	53	77	84	57	58	69

PARKERSBURG, W. VA.
[$\phi=39^{\circ}16'N.$; $\lambda=81^{\circ}36'W.$]

January	29.40	30.10	29.85	28.68	30.6	28.1	35.9	34.2	28.3	26.1	31.2	30.4	40.5	23.5	32.0	62	-7	24	22	23	24	23	78	80	60	66	71
February	29.33	30.04	29.80	28.64	28.6	26.1	34.2	33.2	26.7	24.4	29.8	29.6	37.7	22.8	30.2	58	9	23	21	22	22	22	78	80	59	65	70
March	29.21	29.90	29.56	28.38	41.9	38.7	50.9	49.5	38.3	35.6	42.7	42.5	55.1	35.5	45.3	81	26	34	32	33	34	33	74	75	53	58	65
April	29.40	30.09	29.68	28.89	51.2	48.2	65.2	63.7	47.0	44.3	51.5	51.2	70.2	44.3	57.2	91	31	43	40	39	40	40	74	76	43	46	60
May	29.34	30.02	29.64	29.01	59.3	58.9	72.0	68.7	56.5	55.4	60.8	60.2	75.2	53.7	64.4	93	41	54	53	54	55	54	85	82	56	64	72
June	29.29	29.96	29.55	29.01	68.3	68.0	80.2	76.4	66.1	64.5	68.9	68.5	83.2	64.2	73.7	92	52	65	63	63	64	64	90	84	58	68	75
July	29.35	30.02	29.54	29.16	70.6	70.0	81.2	79.7	68.5	67.4	70.5	71.4	85.7	66.3	76.0	96	56	68	66	65	68	67	90	88	61	68	77
August	29.37	30.04	29.68	29.12	68.4	66.1	79.5	76.4	66.5	64.4	69.0	69.4	82.9	63.7	73.3	94	50	66	64	64	66	65	90	92	60	71	78
September	29.39	30.07	29.87	28.94	62.2	58.9	73.7	69.0	60.3	57.4	63.2	63.5	77.0	56.3	66.7	90	32	59	56	56	60	58	90	92	56	74	78
October	29.36	30.05	29.66	28.84	53.6	50.1	66.1	59.8	50.5	47.8	55.3	54.1	68.8	47.9	58.4	82	28	48	46	46	49	47	82	85	52	70	72
November	29.41	30.11	29.83	28.93	45.2	43.3	51.3	47.3	41.5	40.4	44.8	42.9	54.6	38.3	46.4	75	22	37	37	37	37	37	74	79	61	70	71
December	29.40	30.11	29.96	28.55	31.5	29.2	35.3	34.4	29.9	27.7	32.2	32.1	39.0	25.4	32.2	60	-6	27	25	26	28	26	84	83	69	76	78
Year	29.36	30.04	29.96	28.38	51.0	48.8	60.5	57.7	48.3	46.3	51.7	51.3	64.2	45.2	54.6	96	-7	46	44	44	46	45	82	83	57	66	72

PEORIA, ILL.
Airport [$\phi=40^{\circ}43'N.$; $\lambda=89^{\circ}36'W.$]

January	29.43	30.12	30.00	28.62	23.2	20.9	29.5	26.2	22.1	20.1	26.9	24.4	33.8	17.3	25.6	57	-11	20	18	22	21	20	86	89	72	78	81
February	29.44	30.08	29.73	28.69	24.5	22.8	29.3	27.7	23.5	22.0	27.1	26.2	32.3	21.2	26.8	41	4	21	20	23	23	22	86	90	75	81	83
March	29.19	29.86	29.59	28.42	37.4	35.2	45.2	43.6	35.0	33.3	39.9	39.3	50.4	33.5	42.0	76	23	32	31	34	34	33	81	85	66	72	76
April	29.40	30.06	29.75	28.96	47.3	46.7	62.6	60.9	45.5	43.7	54.2	52.0	67.2	45.0	56.1	89	29	42	40	44	44	43	76	80	54	57	67
May	29.31	29.96	29.62	28.89	57.0	54.9	67.3	65.6	54.0	52.1	68.2	58.1	72.3	51.5	61.9	93	38	51	50	52	53	52	83	84	60	65	73
June	29.31	29.95	29.54	28.92	66.2	65.6	77.2	75.2	63.5	63.5	68.6	67.6	81.3	62.5	71.9	96	44	62	62	64	64	63	88	89	66	69	78
July	29.36	30.00	29.55	29.15	69.9	68.3	82.5	81.0	67.4	66.3	72.0	71.9	86.5	66.1	76.3	97	51	66	65	67	68	67	88	90	61	65	76
August	29.38	30.02	29.62	29.14	67.4	64.7	80.4	77.4	64.2	62.8	69.1	68.5	84.1	62.6	73.4	97	45	62	62	64	64	63	84	90	58	65	74
September	29.38	30.03	29.88	29.12	59.8	56.9	69.8	67.0	57.2	55.3	62.0	60.7	74.6	55.1	64.8	92	24	55	54	57	57	56	85	90	65	71	78
October	29.37	30.02	29.69	28.68	50.0	45.8	61.6	56.9	47.0	44.3	53.3	50.3	66.6	43.8	55.2	83	21	44	43	46	44	44	79	89	59	62	72
November	29.47	30.03	29.84	28.74	39.1	36.7	46.5	44.0	37.2	35.3	42.6	41.0	50.1	32.8	41.4	75	17	35	33	38	38	36	84	88	74	79	81
December	29.44	30.13	29.99	28.92	22.1	20.8	27.6	25.1	21.7	20.4	25.9	24.0	31.7	17.5	24.6	59	-3	21	20	24	22	21	93	94	88	87	90
Year	29.37	30.02	30.00	28.42	47.0	44.9	56.6	54.2	44.9	43.3	50.0	48.7	60.9	42.4	51.7	97	-11	43	42	45	44	43	84	88	66	71	77

PENSACOLA, FLA.
[$\phi=30^{\circ}25'N.$; $\lambda=87^{\circ}13'W.$]

January	30.12	30.18	30.56	29.63	-----	43.8	55.4	52.1	-----	41.0	47.4	46.9	58.4	40.8	49.6	73	20	-----	37	38	41	39	-----	77	54	66	66
February	29.99	30.05	30.39	29.34	-----	45.2	54.3	53.6	-----	42.8	47.7	47.7	57.5	42.6	50.0	72	30	-----	40	40	41	40	-----	81	60	65	69
March	29.92	29.98	30.24	29.38	-----	54.0	61.8	59.3	-----	51.2	54.2	54.0	65.1	50.6	57.8	74	37	-----	48	46	48	48	-----	82	63	70	72
April	30.04	30.10	30.30	29.71	-----	60.5	71.5	68.4	-----	56.4	60.3	61.2	74.0	57.8	65.9	85	41	-----	53	53	56	54	-----	78	55	67	67
May	29.97	30.03	30.13	29.71	-----	69.0	78.1	75.2	-----	65.3	68.6	67.6	80.6	65.4	73.0	88	54	-----	63	63	63	63	-----	82	62	69	71
June	29.90	29.96	30.12	29.68	76.8	77.5	83.6	81.0	73.7	74.1	74.8	74.9	85.9	73.6	79.8	96	68	72	73	71	72	72	87	86	67	76	79
July	30.02	30.08	30.19	29.82	79.3	78.7	86.4	83.6	75.5	75.2	76.7	76.5	89.5	75.5	82.5	100	71	74	74	73	74	74	84	86	65	72	77
August	29.98	30.04	30.11	29.86	78.5	77.9	85.6	81.2	75.0	74.7	76.1	75.1	88.4	74.7	81.6	94	70	74	73	72	73	73	85	86	66	77	79
September	29.96	30.02	30.21	29.63	74.0	71.6	81.9	78.3	69.8	68.5	71.9	71.7	84.0	69.3	76.6	94	50	68	67	67	69	68	81	85	63	73	75
October	29.96	30.02	30.20	29.72	67.9	64.8	78.1	73.1	63.4	61.2	66.1	66.2	80.1	62.4	71.2	86	39	60	59	59	62	60	73	81	54	70	71
November	30.06	30.12	30.32	29.71	-----	55.8	69.4	64.7	-----	52.9	59.4	58.8	71.7	53.2	62.4	82	38	-----	50	51	54	52	-----	82	55	70	69
December	30.05	30.11	30.48	29.54	-----	50.8	59.4	56.8	-----	49.2	53.8	53.2	63.5	46.6	55.0	76	31	-----	48	48	50	49	-----	88	70	79	79
Year	30.00	30.06	30.56	29.34	-----	62.5	72.1	68.9	-----	59.4	63.1	62.8	74.9	59.4	67.1	100	20	-----	57	57	59	58	-----	83	61	71	73

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

PALESTINE, TEX.

[H=491 ft.; H_b=510 ft.; H_t=64 ft.; H_r=57 ft.; H_a=72 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind								Number of days—																			
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm					
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below						
January	<i>In.</i> 0.57	<i>In.</i> 0.22	<i>In.</i> T	4.9	<i>Mi.</i> 7.6	n.	28	w.	0	11	10	10	5	4	4	0	0	0	0	0	2	1	1	2	5	0	0	0	11	0	0	2
February	.65	.26	T	6.9	8.9	n.	25	nw.	0	4	10	14	9	4	2	0	0	2	1	1	2	0	1	0	0	0	0	0	5	0	0	0
March	1.24	.65	T	4.9	10.3	s.	27	nw.	0	12	10	9	7	5	1	0	0	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0
April	8.78	4.86	.0	6.7	9.1	s.	25	se.	0	7	6	17	11	9	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	9
May	7.48	4.37	.0	5.9	7.9	s.	23	nw.	0	9	10	12	10	6	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	9
June	3.78	1.03	.0	5.0	6.9	s.	28	nw.	0	9	16	5	10	9	0	0	0	1	0	0	0	0	0	0	18	0	0	0	0	0	0	8
July	1.01	.69	.0	4.2	6.3	s.	22	se.	0	16	9	6	9	5	0	0	0	1	0	0	0	0	0	0	24	5	0	0	0	0	5	
August	3.05	1.00	.0	4.9	6.9	s.	26	se.	0	11	11	9	12	9	0	0	0	2	1	1	1	1	0	18	7	0	0	0	0	0	9	
September	3.35	1.45	.0	5.0	5.7	s.	24	nw.	0	10	12	8	9	7	0	0	0	2	2	2	2	2	0	4	0	0	0	0	0	0	6	
October	1.28	1.06	.0	4.0	6.2	n.	24	s.	0	17	8	6	7	3	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	1	
November	1.59	1.29	.0	4.5	8.9	s.	21	s.	0	13	6	11	7	4	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	
December	3.91	2.88	.4	5.5	8.2	s.	26	se.	0	10	10	11	12	7	1	1	3	7	2	0	0	0	0	0	0	0	0	2	0	0	2	
Year	36.69	4.86	.4	5.2	7.7	s.	28	s.	0	129	118	118	108	72	8	1	0	18	15	8	7	5	65	12	18	0	51					

PARKERSBURG, W. VA.

[H=615 ft.; H_b=637 ft.; H_t=77 ft.; H_r=70 ft.; H_a=84 ft.]

January	1.53	0.47	4.2	6.9	6.5	se.	25	sw.	0	6	8	17	10	7	9	5	0	7	2	0	2	8	0	0	24	2	0
February	1.56	.65	3.3	6.9	7.3	w.	26	w.	0	5	8	15	10	8	15	5	0	9	2	0	2	10	0	0	10	0	0
March	3.14	.95	6.7	6.8	7.6	sw.	32	nw.	1	6	10	15	14	9	7	3	0	9	2	0	1	1	0	0	10	0	2
April	1.90	1.34	T	4.3	6.0	nw.	27	nw.	0	13	10	7	7	7	2	0	0	8	0	1	1	0	1	0	2	0	2
May	3.87	1.24	.0	5.9	5.1	se.	20	sw.	0	7	14	10	12	10	0	0	0	15	1	2	2	0	4	0	0	0	9
June	3.48	1.26	.0	5.8	4.8	se.	26	nw.	0	7	11	12	11	7	0	0	0	19	3	1	2	0	5	0	0	0	11
July	3.97	1.22	.0	5.5	4.3	se.	30	nw.	0	9	11	11	11	10	0	0	1	22	3	0	6	0	6	2	0	0	10
August	6.15	1.69	.0	5.5	3.9	se.	20	w.	0	6	18	7	12	11	0	0	0	24	7	0	8	0	2	0	0	0	9
September	3.97	.95	.0	5.1	4.6	se.	26	nw.	0	9	14	7	14	10	0	0	0	20	6	3	6	0	1	0	1	0	4
October	2.66	1.18	T	5.4	4.8	se.	20	nw.	0	10	8	13	10	8	1	0	0	19	5	0	1	0	0	0	2	0	1
November	2.48	.54	T	7.0	6.7	se.	29	w.	0	7	6	17	11	10	2	0	0	13	2	3	3	0	0	0	8	0	0
December	5.16	1.94	11.5	7.8	6.5	se.	30	nw.	0	5	4	22	18	11	16	8	0	16	5	3	3	7	0	0	20	2	0
Year	39.87	1.94	25.7	6.1	5.7	se	32	nw.	1	90	122	153	140	108	52	21	1	181	37	13	37	26	19	2	91	4	48

PEORIA, ILL.

[H=602 ft.; H_b=608 ft.; H_t=11 ft.; H_r=4 ft.; H_a=45 ft.]

January	1.22	0.77	3.5	5.0	6.8	w.	26	sw.	0	13	5	13	6	3	6	5	0	17	3	1	2	11	0	0	28	8	0
February	4.95	3.17	8.9	7.4	7.0	e.	20	n.	0	3	7	18	10	8	16	5	0	10	3	4	3	12	0	0	24	0	2
March	2.58	1.43	.7	5.8	8.2	w.	26	s.	0	8	11	12	13	6	8	3	2	3	3	1	1	0	0	0	16	0	2
April	3.51	1.64	T	3.3	7.5	s.	22	ne.	0	19	5	6	9	8	1	0	0	1	2	0	2	0	0	0	3	0	2
May	3.28	.96	.0	4.2	5.8	s.	24	sw.	0	13	13	5	12	10	0	0	0	0	1	0	0	2	0	0	0	0	8
June	4.84	1.53	.0	4.6	4.1	se.	18	sw.	0	11	13	6	14	10	0	0	1	0	0	0	0	7	1	0	0	0	7
July	3.88	2.00	.0	2.9	3.9	sw.	21	n.	0	20	10	1	13	9	0	0	0	0	1	0	0	9	2	0	0	0	12
August	2.13	1.29	.0	3.7	3.8	s.	14	sw.	0	18	11	2	6	6	0	0	1	1	0	0	0	7	1	0	0	0	4
September	3.34	1.16	1.0	5.5	4.2	s.	17	sw.	0	11	10	9	12	10	1	1	1	0	0	0	0	4	0	2	0	0	4
October	.96	.45	.0	4.6	4.7	w.	20	s.	0	15	7	9	8	4	0	0	0	1	1	0	1	0	0	0	6	0	1
November	4.72	1.36	3.2	6.5	7.0	s.	20	s.	0	7	8	15	14	11	3	2	0	2	1	0	1	3	0	0	13	0	2
December	2.45	1.75	9.5	7.4	5.8	w.	20	w.	0	5	7	19	8	7	15	6	0	2	1	0	1	17	0	0	26	3	1
Year	37.86	3.17	26.8	5.1	5.7	s.	26	s.	0	143	107	115	125	92	50	22	5	37	14	7	11	43	29	4	118	11	45

PENSACOLA, FLA.

[H=13 ft.; H_b=56 ft.; H_t=54 ft.; H_r=52 ft.; H_a=79 ft.]

January	4.39	1.71	0.0	3.9	8.4	n.	26	s.	0	18	5	8	7	7	0	0	0	3	1	2	1	0	0	0	5	0	7
February	12.16	7.42	.0	6.6	8.6	n.	28	se.	0	6	8	14	15	8	0	0	0	2	5	7	6	0	0	0	2	0	6
March	8.00	2.12	.0	6.2	9.3	se.	31	w.	0	11	4	16	15	12	0	0	0	5	4	6	0	0	0	0	0	0	6
April	1.75	1.69	.0	4.4	7.8	se.	24	w.	0	13	9	8	3	2	0	0	0	4	4	2	0	0	0	0	0	0	2
May	5.73	3.08	.0	3.9	6.8	sw.	28	sw.	0	17	8	6	8	6	0	0	0	2	1	1	0	0	0	0	0	0	6
June	12.68	4.31	.0	5.1	7.6	sw.	26	e.	0	9	13	8	13	13	0	0	0	0	0	0	0	4	1	0	0	0	9
July	5.63	2.38	.0	5.3	5.8	w.	26	w.	0	10	12	9	15	12	0	0	0	0	0	0	0	15	2	0	0	0	17
August	7.79	2.27	.0	6.3	6.9	w.	25	sw.	0	4	16	11	16	10	0	0	0	0	0	0	0	9	0	0	0	0	15
September	7.36	3.47	.0	4.8	7.2	e.	18	n.	0	12	9	9	10	6	0	0	0	0	0	0	0	4	0	0	0	0	9
October	1.71	1.42	.0	3.0	7.3	ne.	21	se.	0	22	6	3	5	4	0	0	0	2	0	0	0	0	0	0	0	0	1
November	.43	.30	.0	3.1	7.6	se.	22	ne.	0	20	6	4	3	3	0	0	0	7	1	0	3	0	0	0	0	0	1
December	5.52	1.81	.0	6.0	8.4	n.	26	w.	0	9	9	13	11	9	0	0	0	7	3	3	3	0	0	0	1	0	5
Year	73.15	7.42	.0	4.9	7.6	n.	31	w.	0	151	105	109	115	92	0	0	0	32	19	14	7	0	32	3	8	0	80

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

PHILADELPHIA, PA.

Airport [$\phi=39^{\circ}53' N.$; $\lambda=75^{\circ}14' W.$] City [$\phi=39^{\circ}57' N.$; $\lambda=75^{\circ}09' W.$]

Month	Pressure				Temperature (° F.)													Moisture									
	Mean		Extremes		Mean													Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Extremes					Dew point				Relative humidity					
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
<i>In.</i> (¹)	<i>In.</i>	<i>In.</i> (¹)	<i>In.</i> (¹)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	° (²)	% (²)
January	29.96	30.08	30.48	29.19	28.5	27.8	35.3	31.5	26.6	25.9	30.8	28.6	39.5	25.5	32.5	59	6	22	22	22	22	22	77	77	58	68	70
February	29.78	29.90	30.33	29.01	28.0	26.3	35.8	31.8	25.3	23.8	30.3	27.9	38.8	24.6	31.7	55	10	19	17	19	20	19	67	67	50	59	61
March	29.76	29.88	30.21	28.65	39.8	39.1	48.9	44.4	36.9	36.4	41.7	39.4	52.5	37.2	44.8	70	33	32	33	32	32	32	75	78	55	64	68
April	29.92	30.05	30.26	29.52	47.3	48.0	63.5	56.5	43.4	44.0	50.6	48.2	66.7	45.7	56.2	88	36	39	40	38	40	39	74	73	43	55	61
May	29.92	30.04	30.22	29.61	59.8	61.7	75.7	68.7	56.1	56.9	61.9	60.4	77.1	57.2	67.2	93	48	53	53	52	54	53	80	74	46	62	66
June	29.84	29.96	30.21	29.43	65.9	68.5	79.0	74.8	62.7	64.1	66.8	65.9	81.0	64.2	72.6	93	55	60	61	59	61	60	84	79	54	64	70
July	29.86	29.98	30.15	29.52	71.1	73.0	84.1	78.0	67.4	67.8	70.5	69.7	85.6	70.5	78.0	98	65	65	65	64	65	65	83	77	52	67	70
August	29.93	30.06	30.30	29.65	67.8	69.5	79.9	73.6	65.7	66.4	68.8	67.6	81.5	66.7	74.1	92	55	64	64	63	64	64	89	85	58	74	76
September	29.94	30.06	30.46	29.47	62.4	63.3	75.7	67.9	60.2	60.6	64.2	62.2	77.9	61.1	69.5	93	43	58	59	56	58	58	86	85	53	73	74
October	29.95	30.07	30.40	29.45	52.2	52.0	65.5	57.8	49.7	49.8	55.9	53.6	66.2	51.7	59.0	82	36	47	48	48	50	48	84	86	56	76	75
November	29.96	30.09	30.46	29.21	42.7	41.2	53.3	46.3	39.8	38.5	45.2	41.7	55.2	40.4	47.8	73	26	36	35	36	36	35	76	78	52	67	68
December	29.95	30.08	30.64	28.66	30.0	28.1	34.7	31.7	28.0	26.5	31.1	29.1	38.9	26.5	32.7	57	2	24	23	24	24	24	78	81	66	72	74
Year	29.90	30.02	30.64	28.65	49.6	49.9	61.0	55.2	46.8	46.7	51.5	49.5	63.4	47.6	55.5	98	2	43	43	43	44	43	79	78	54	67	69

PITTSBURGH, PA.

Airport [$\phi=40^{\circ}21' N.$; $\lambda=79^{\circ}56' W.$]

	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.15	30.07	29.56	28.42	27.5	25.2	32.6	30.3	25.0	23.4	28.4	26.8	37.2	20.9	29.0	59	-9	20	19	20	20	20	72	77	60	64	68
February	29.07	29.99	29.55	28.45	24.2	21.8	29.3	27.2	22.7	20.7	26.2	25.2	32.7	18.6	25.6	53	2	19	18	20	21	19	79	83	66	75	76
March	28.97	29.88	29.33	28.07	38.5	35.6	44.9	42.2	35.4	33.0	38.6	37.8	49.8	32.3	41.0	68	26	31	29	30	32	31	75	78	59	70	71
April	29.16	30.07	29.42	28.66	49.9	47.9	62.2	59.1	43.6	43.1	49.7	48.4	65.7	43.4	54.6	87	29	37	38	38	38	38	64	70	45	49	57
May	29.12	30.01	29.39	28.83	57.6	57.1	70.0	65.3	54.0	53.6	58.9	57.4	73.4	52.5	63.0	93	41	51	51	51	52	51	80	81	54	65	70
June	29.08	29.97	29.35	28.81	65.3	66.2	76.6	72.5	61.8	62.7	66.0	64.9	79.7	62.0	70.8	89	52	60	60	60	60	60	83	83	58	68	73
July	29.12	30.01	29.32	28.89	68.1	68.1	80.4	76.1	64.1	64.7	68.1	67.1	83.5	64.3	73.9	95	55	62	63	62	62	62	81	84	54	64	71
August	29.16	30.05	29.45	28.92	65.5	64.5	76.8	71.8	62.6	62.4	66.2	65.3	79.5	61.9	70.7	89	47	61	61	60	62	61	85	89	58	72	76
September	29.17	30.07	29.64	28.74	60.3	57.6	71.4	66.1	57.4	55.8	61.3	60.1	74.7	54.8	64.8	89	34	55	54	54	56	55	83	89	56	71	75
October	29.14	30.04	29.52	28.62	52.1	49.1	62.4	57.4	48.3	46.6	53.0	51.2	64.5	46.6	55.6	78	25	44	44	44	45	45	76	83	55	67	70
November	29.18	30.09	29.63	28.71	41.2	39.5	46.6	43.1	38.1	36.9	41.1	39.2	50.7	34.5	42.6	72	18	34	34	34	34	34	76	79	64	72	73
December	29.15	30.07	29.68	28.22	27.8	26.0	30.9	29.4	26.4	24.8	28.5	27.8	34.5	22.0	28.2	58	0	24	22	24	25	24	83	86	73	82	81
Year	29.12	30.03	29.68	28.07	48.2	46.6	57.0	53.4	45.0	44.0	48.8	47.6	60.5	42.8	51.6	95	-9	42	41	41	42	42	78	82	58	68	72

PHOENIX, ARIZ.

Airport [$\phi=33^{\circ}26' N.$; $\lambda=112^{\circ}03' W.$] City [$\phi=33^{\circ}28' N.$; $\lambda=112^{\circ}04' W.$]

	(1)	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	28.91	30.08	29.16	28.58	46.6	40.8	59.0	63.8	41.9	37.6	47.6	49.5	67.7	41.3	54.5	78	28	37	34	35	34	35	70	78	43	35	56
February	28.75	29.92	28.98	28.52	45.7	38.6	58.0	63.8	39.3	35.0	45.7	47.5	66.4	39.2	52.8	77	30	31	30	31	28	30	57	70	37	28	48
March	28.76	29.92	29.14	28.42	51.8	43.0	65.9	72.3	42.6	37.6	49.0	50.8	74.2	44.0	59.1	90	35	31	30	30	26	29	46	62	28	19	39
April	28.69	29.83	28.94	28.48	60.3	52.7	71.9	77.4	50.2	46.2	54.6	56.0	80.0	52.6	66.3	92	41	40	39	39	36	39	50	62	32	26	43
May	28.66	29.79	28.84	28.46	66.2	56.4	84.3	90.6	52.4	46.6	58.4	60.0	91.5	58.8	75.2	106	48	40	36	35	32	36	39	47	18	13	29
June	28.60	29.72	28.78	28.40	74.3	66.0	94.0	101.3	56.7	52.1	63.1	64.1	101.8	68.1	85.0	112	62	42	39	39	34	38	32	38	15	10	24
July	28.68	29.78	28.90	28.50	87.1	78.7	98.0	105.0	68.8	66.4	71.5	72.1	106.5	78.9	92.7	116	70	58	59	58	54	57	42	53	28	20	36
August	28.65	29.76	28.86	28.44	83.2	76.1	93.7	100.2	68.6	67.2	71.6	71.8	101.4	76.3	88.8	108	66	61	62	61	57	60	49	64	35	26	44
September	28.64	29.76	28.86	28.44	75.6	69.7	91.7	98.0	62.0	59.2	67.0	67.5	100.2	70.2	85.2	105	62	53	52	52	48	51	47	54	28	20	37
October	28.75	29.88	29.02	28.40	64.5	57.8	79.7	82.2	54.4	50.6	63.0	60.0	86.2	58.4	72.3	98	44	46	44	47	44	45	54	62	33	28	44
November	28.79	29.94	29.12	28.46	53.0	47.1	70.4	71.8	46.5	42.0	53.3	54.9	78.9	48.1	63.5	88	36	40	36	37	40	38	62	67	30	33	48
December	28.87	30.04	29.18	28.41	46.1	41.8	61.1	64.1	41.3	38.2	49.3	50.3	69.9	42.0	56.0	79	35	36	34	37	37	36	67	74	43	38	55
Year	28.73	29.87	29.18	28.40	62.9	55.7	77.3	82.5	52.1	48.2	57.6	58.7	85.4	56.5	71.0	116	28	43	41	42	39	41	51	61	31	25	42

POCATELLO, IDAHO

Airport [$\phi=42^{\circ}55' N.$; $\lambda=112^{\circ}32' W.$]

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TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

PHILADELPHIA, PA.

Airport [$H=11$ ft.; $H_b=28$ ft.; $H_t=6$ ft.; $H_r=3$ ft.; $H_a=56$ ft.] City [$H=26$ ft.; $H_b=155$ ft.; $H_t=174$ ft.; $H_r=166$ ft.; $H_a=367$ ft.]

Month	Precipitation			Wind						Number of days—																	
	Total	Maximum in 24 hours	Total snowfall	Cloudiness 0 to 10	By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 2.34	<i>In.</i> .72	<i>In.</i> 5.3	5.4	<i>Mi.</i> 13.8	n.	44	s.	3	10	9	12	10	9	8	5	0	7	1	0	7	0	0	22	0	1	
February	2.30	1.14	2.0	5.3	15.2	nw.	39	ne.	4	9	11	8	6	4	5	0	0	5	1	1	4	0	0	24	0	0	
March	4.84	1.17	2.5	5.9	14.6	s.	53	sw.	9	8	10	13	13	12	4	2	0	13	2	1	0	0	0	0	0	1	
April	1.35	1.25	T	4.7	12.9	sw.	33	sw.	1	11	11	8	5	3	2	0	0	5	0	0	0	0	0	0	0	1	
May	1.82	1.11	.0	5.2	12.2	s.	34	se.	3	9	13	9	6	4	0	0	0	5	0	0	0	1	0	0	0	5	
June	2.13	.92	.0	5.5	10.6	nw.	30	nw.	0	9	9	12	14	7	0	0	0	6	0	0	0	2	0	0	0	4	
July	6.74	2.98	.0	5.6	10.5	sw.	33	sw.	2	6	17	8	12	9	0	0	0	2	0	0	0	4	1	0	0	7	
August	6.55	1.68	.0	6.1	9.8	sw.	37	sw.	1	8	11	12	9	9	0	0	0	3	1	0	0	1	0	0	0	7	
September	1.68	.82	.0	4.9	10.4	n.	40	s.	2	11	11	8	6	4	0	0	0	7	0	0	0	3	0	0	0	4	
October	3.40	.96	.0	5.2	11.7	ne.	29	ne.	0	10	8	13	9	7	0	0	0	8	2	3	2	0	0	0	0	0	
November	3.79	1.72	.0	4.7	13.3	sw.	44	sw.	2	12	10	8	9	7	0	0	0	5	1	1	0	0	0	5	0	2	
December	4.22	1.44	5.2	6.7	13.2	nw.	39	sw.	3	5	12	14	15	11	10	4	0	9	5	2	4	5	0	0	20	1	
Year	41.16	2.98	15.0	5.4	12.3	nw.	53	sw.	30	108	132	125	114	86	29	13	0	75	13	8	8	16	11	1	71	0	33

PITTSBURGH, PA.

[$H=1,249$ ft.; $H_b=1,273$ ft.; $H_t=39$ ft.; $H_r=38$ ft.; $H_a=54$ ft.]

January	1.54	.54	5.5	6.5	12.0	sw.	43	sw.	2	2	11	14	9	5	18	4	0	6	3	2	1	10	0	0	25	3	1
February	2.18	.67	9.4	7.2	12.6	nw.	33	w.	2	6	10	16	17	10	21	12	0	8	4	4	3	15	0	0	25	0	0
March	4.31	1.48	18.3	6.8	13.5	w.	46	sw.	7	3	12	16	16	12	16	7	1	8	6	4	1	1	0	0	23	0	1
April	3.08	2.08	1.0	6.1	11.5	nw.	34	nw.	1	8	8	14	9	7	4	1	0	8	1	1	0	0	0	4	0	0	
May	4.41	1.09	.0	7.2	9.7	s.	29	sw.	0	2	13	16	17	11	0	0	1	9	6	4	2	0	1	0	0	8	
June	3.99	.93	.0	7.2	8.8	s.	34	sw.	2	0	15	15	16	12	0	0	0	17	4	3	2	0	0	0	0	8	
July	4.15	2.08	.0	6.4	9.2	sw.	30	n.	0	3	14	14	12	9	0	0	0	10	3	3	3	0	4	1	0	10	
August	2.77	.65	.0	6.7	7.8	s.	31	sw.	0	3	12	16	12	11	0	0	0	18	11	10	6	0	0	0	0	8	
September	3.40	1.17	.0	5.7	9.1	s.	28	nw.	0	6	14	10	13	10	0	0	0	10	5	4	2	0	0	0	0	4	
October	3.91	1.49	T	6.4	9.9	s.	31	nw.	0	7	8	16	11	8	2	1	0	11	8	6	3	0	0	0	3	1	
November	2.55	.62	1.8	7.2	12.1	s.	41	nw.	3	5	8	17	18	11	8	3	0	12	4	5	3	2	0	0	11	0	
December	5.61	2.38	11.6	8.2	12.2	w.	38	w.	2	2	4	25	20	15	19	14	0	13	10	9	5	12	0	0	26	1	0
Year	41.90	2.38	47.6	6.8	10.7	s.	46	sw.	19	47	129	189	170	121	88	42	2	130	65	55	31	40	5	1	117	4	42

PHOENIX, ARIZ.

Airport [$H=1,112$ ft.; $H_b=1,112$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=23$ ft.] City [$H=1,107$ ft.; $H_b=1,107$ ft.; $H_t=39$ ft.; $H_r=37$ ft.; $H_a=87$ ft.]

January	0.35	0.34	0.0	4.9	5.0	e.	20	ne.	0	12	10	9	3	2	0	0	0	0	0	0	0	0	0	2	0	0
February	.24	.15	.0	5.2	5.2	e.	25	w.	0	11	6	11	2	2	0	0	0	2	1	0	0	0	0	1	0	0
March	.28	.26	.0	3.2	6.2	e.	34	nw.	1	17	8	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0
April	.76	.58	.0	4.2	6.6	e.	29	w.	0	15	7	8	5	4	0	0	0	1	0	0	0	5	0	0	0	3
May	.00	.00	.0	1.5	6.0	e.	20	sw.	0	24	3	1	0	0	0	0	0	0	0	0	0	19	8	0	0	0
June	.00	.00	.0	1.7	5.8	e.	22	sw.	0	26	3	1	0	0	0	0	0	0	0	0	0	30	8	0	0	0
July	1.24	.62	.0	2.8	6.2	e.	30	ne.	0	19	10	2	4	4	0	0	0	0	0	0	0	31	30	0	0	7
August	.68	.34	.0	3.3	5.3	e.	27	se.	0	19	6	6	4	4	0	0	0	1	0	0	0	0	31	28	0	5
September	.21	.20	.0	1.5	5.5	e.	23	e.	0	25	5	0	2	1	0	0	0	0	0	0	0	30	29	0	0	5
October	.43	.40	.0	2.6	4.8	e.	23	e.	0	20	9	2	3	2	0	0	0	0	0	0	0	11	6	0	0	2
November	.01	.01	.0	2.9	4.1	e.	22	w.	0	17	11	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
December	.36	.35	.0	3.5	4.1	e.	28	sw.	0	17	7	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0
Year	4.56	.62	.0	3.1	5.4	e.	34	nw.	1	222	89	54	28	21	0	0	4	1	0	0	0	157	129	3	0	22

POCATELLO, IDAHO

[$H=4,461$ ft.; $H_b=4,478$ ft.; $H_t=5$ ft.; $H_r=4$ ft.; $H_a=31$ ft.]

January	2.22	0.63	16.5	6.9	6.3	sw.	32	sw.	1	6	6	19	15	11	17	12	0	21	11	11	8	22	0	0	31	11	0
February	1.03	.20	10.1	7.3	7.4	sw.	32	sw.	1	5	4	19	12	7	18	11	0	12	4	3	3	18	0	0	27	7	0
March	.30	.22	1.2	6.2	8.4	sw.	34	w.	1	7	13	11	4	2	8	3	0	3	0	0	0	0	0	0	31	0	0
April	1.12	.41	4.8	6.8	10.9	sw.	35	s.	4	3	13	14	11	7	8	6	0	2	0	0	0	0	0	0	12	0	0
May	2.29	.47	.9	7.8	10.2	sw.	36	sw.	3	2	9	20	18	15	6	5	2	0	0	0	0	0	0	0	5	0	2
June	.58	.34	.0	4.9	10.6	sw.	34	w.	2	11	14	5	4	3	0	0	0	0	0	0	0	0	0	0	0	0	3
July	.13	.13	.0	2.8	9.2	sw.	34	w.	1	19	11	1	1	1	0	0	0	0	0	0	0	20	6	0	0	7	
August	.76	.76	.0	2.8	8.9	w.	33	se.	1	20	7	4	1	1	0	0	1	0	0	0	0	17	6	0	0	3	
September	1.63	1.51	.0	3.5	9.7	sw.	32	sw.	0	16	11	3	3	3	0	0	0	0	0	0	0	1	0	1	0	2	
October	.38	.23	T	4.6	9.3	sw.	30	sw.	0	14	7	10	7	3	2	1	0	1	0	0	0	0	0	0	8	0	3
November	2.18	.65	1.3	7.5	11.6	sw.	49	w.	6	5	5	20	13	11	14	6	0	1	0	0	0	0	0	0	23	0	0
December	1.09	.33	4.3	8.2	11.2	sw.	33	w.	1	2	8	21	15	9	18	9	0	9	4	4	2	8	0	0	27	0	0
Year	13.71	1.51	39.1	5.8	9.5	sw.	49	w.	22	110	108	147	104	73	91	53	3	49	19	18	13	48	38	12	165	18	20

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

PORT ARTHUR, TEX.
[$\phi=29^{\circ}52' N.$; $\lambda=93^{\circ}56' W.$]

Month	Pressure				Temperature (° F.)													Moisture									
	Mean		Extremes		Mean													Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
January	In.	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
February	30.18	30.21	30.63	29.67	48.0	44.9	55.1	52.7	45.0	42.4	47.2	46.5	59.4	41.5	50.4	76	24	42	39	38	40	40	79	80	56	64	70
March	30.00	30.03	30.32	29.47	51.3	49.5	55.8	54.7	48.3	47.0	49.4	49.6	60.0	46.2	53.1	77	33	45	44	42	44	44	80	82	64	70	74
April	29.92	29.96	30.33	29.56	56.7	53.8	63.3	62.1	52.8	50.5	55.0	55.5	67.0	51.6	59.3	81	38	49	47	47	49	48	77	79	59	67	70
May	29.97	30.01	30.36	29.55	65.4	64.5	71.7	69.4	62.4	61.9	64.1	63.9	74.3	62.3	68.3	81	45	61	60	59	60	60	85	86	66	74	78
June	29.94	29.98	30.11	29.66	72.5	71.1	79.9	77.2	69.1	67.9	70.2	69.9	82.0	68.9	75.4	89	56	67	66	65	66	66	84	85	62	70	75
July	29.86	29.89	30.08	29.54	79.0	77.8	84.2	83.7	75.2	74.7	75.5	75.8	88.0	74.5	81.2	94	66	74	74	72	73	73	84	87	68	70	77
August	30.01	30.05	30.19	29.85	79.9	78.1	86.6	84.3	75.5	74.8	76.7	76.0	89.5	75.8	82.6	96	70	74	74	73	73	73	82	86	65	69	75
September	29.93	29.97	30.09	29.62	80.9	79.2	86.4	84.5	76.6	75.9	76.9	76.9	90.1	77.4	83.8	95	72	75	75	73	74	74	82	86	66	71	77
October	29.96	29.99	30.25	29.69	74.7	72.1	81.1	79.2	70.5	69.1	71.3	71.4	84.4	70.0	77.2	91	47	68	68	66	67	67	81	86	62	68	74
November	29.97	30.00	30.21	29.63	69.3	66.0	78.4	74.3	65.8	63.5	66.8	66.9	81.2	63.9	72.6	87	54	64	62	60	63	62	83	87	55	69	74
December	30.04	30.08	30.45	29.61	62.5	60.3	70.4	66.3	59.3	57.8	61.3	61.2	73.3	56.7	65.0	81	38	57	56	54	57	56	82	85	59	74	75
Year	30.05	30.08	30.42	29.59	54.3	52.5	60.6	58.2	52.2	50.7	54.5	54.7	64.7	48.4	56.6	78	37	50	49	50	52	50	86	88	69	80	81
Year	29.99	30.02	30.63	29.47	66.2	64.2	72.8	70.6	62.7	61.4	64.1	64.0	76.2	61.4	68.8	96	24	60	60	58	60	59	82	85	63	70	75

PORTLAND, MAINE

Airport [$\phi=43^{\circ}39' N.$; $\lambda=70^{\circ}18' W.$]

	(1)		(1)	(1)																							
January	29.882	29.999	30.38	29.08	19.0	16.5	28.0	23.1	17.2	15.1	23.8	20.4	31.1	10.6	20.8	49	-16	12	10	13	13	12	75	75	53	62	66
February	29.612	29.729	30.27	29.05	19.0	15.8	28.8	24.3	17.5	14.6	24.9	21.8	31.4	12.8	22.1	41	-2	13	10	15	15	14	76	78	56	67	69
March	29.722	29.837	30.31	28.87	32.4	33.3	41.1	35.3	30.5	31.0	36.0	32.8	43.4	28.6	36.0	54	23	27	27	28	29	28	80	77	62	77	74
April	29.859	29.974	30.22	29.30	38.6	42.3	52.1	45.1	36.0	38.2	43.2	39.7	54.7	34.6	44.6	82	26	33	33	33	34	33	80	71	52	70	68
May	29.929	30.043	30.20	29.50	49.3	53.7	61.4	54.1	47.7	50.4	54.0	50.2	64.1	45.5	54.8	85	32	46	47	48	46	47	90	80	65	78	78
June	29.825	29.938	30.20	29.52	55.8	62.4	70.2	62.0	54.6	58.3	61.8	58.2	72.7	52.2	62.4	90	37	54	55	56	56	55	93	79	64	80	79
July	29.840	29.952	30.28	29.48	60.4	66.0	74.1	67.0	58.8	62.2	64.6	62.7	76.8	56.9	66.8	92	45	58	60	59	60	59	91	82	61	79	78
August	29.907	30.019	30.33	29.50	59.0	64.5	74.8	65.8	57.4	60.7	64.2	61.1	77.1	55.5	66.3	91	40	56	58	57	58	57	91	81	56	77	76
September	29.934	30.047	30.41	29.53	52.6	55.9	67.0	58.3	51.4	53.5	58.6	55.4	69.4	48.4	58.9	88	28	50	51	52	53	52	92	85	62	83	80
October	29.946	30.060	30.58	29.19	43.6	43.9	59.1	48.4	42.0	41.8	50.7	46.0	60.9	37.4	49.2	79	25	40	39	42	43	41	89	84	56	84	78
November	29.884	30.000	30.50	29.24	33.3	32.7	43.7	36.4	31.5	31.2	38.7	34.1	46.2	26.3	36.2	63	12	29	29	31	31	30	82	84	64	79	78
December	29.842	29.959	30.82	28.28	20.8	19.5	28.9	23.6	19.1	18.2	25.0	21.4	31.8	14.2	23.0	52	-15	14	14	16	15	15	74	78	56	67	69
Year	29.85	29.963	30.82	28.28	40.3	42.2	52.4	45.3	38.6	39.6	45.5	42.0	55.0	35.2	45.1	92	-16	36	36	38	38	37	84	80	59	75	74

PORTLAND, OREG.

Airport [$\phi=45^{\circ}36' N.$; $\lambda=122^{\circ}36' W.$] City [$\phi=45^{\circ}32' N.$; $\lambda=122^{\circ}40' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)						(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	30.00	30.17	30.37	29.27	34.1	33.0	35.5	36.8	32.0	31.4	32.9	34.1	40.3	32.9	36.6	56	21	28	28	28	30	29	79	83	76	76	78	78	78
February	29.88	30.05	30.29	29.37	40.9	38.4	42.2	46.5	39.5	37.6	40.2	42.7	49.4	39.0	44.2	56	30	38	37	38	38	38	89	93	85	74	85	85	85
March	29.93	30.10	30.31	29.46	43.7	40.1	46.7	52.9	41.7	38.9	43.3	46.3	55.9	39.9	47.9	77	33	39	38	39	39	39	86	91	77	62	79	79	79
April	29.76	29.93	30.16	29.26	49.9	45.4	53.8	59.7	47.1	43.9	48.3	51.1	62.7	45.7	54.2	79	41	44	42	43	44	43	82	89	67	57	74	74	74
May	29.85	30.02	30.16	29.46	53.1	48.9	56.7	63.1	50.5	47.7	51.7	54.6	65.4	49.3	57.4	81	40	48	47	47	48	47	84	92	72	59	77	77	77
June	29.88	30.04	30.09	29.57	57.4	52.5	62.0	68.2	53.9	50.8	55.7	58.3	71.2	53.5	62.4	102	48	51	49	51	51	51	80	90	68	58	74	74	74
July	29.86	30.03	30.09	29.53	65.3	59.9	69.1	79.0	61.1	57.9	61.8	66.0	80.9	61.0	71.0	107	53	58	56	58	59	58	79	89	67	52	72	72	72
August	29.82	29.98	30.09	29.58	65.5	59.2	68.3	79.4	60.5	57.0	60.6	65.5	80.6	59.7	70.2	97	51	58	55	56	58	57	76	88	64	50	69	69	69
September	29.85	30.02	30.16	29.54	59.9	52.6	63.2	75.2	55.5	51.1	56.4	61.0	75.8	55.2	65.5	91	49	52	50	51	52	51	76	87	66	46	69	69	69
October	29.92	30.09	30.18	29.60	51.8	48.8	55.8	63.5	50.1	48.0	52.1	55.2	65.4	49.5	57.4	80	39	49	47	49	49	49	90	95	80	62	82	82	82
November	29.81	29.98	30.35	28.87	43.3	42.3	45.9	46.3	42.0	41.4	43.7	43.9	51.1	41.6	46.4	60	34	41	43	41	41	42	91	93	85	84	88	88	88
December	29.88	30.05	30.28	29.39	41.9	40.8	42.8	45.1	41.0	40.0	41.8	43.3	48.2	40.3	44.2	57	33	40	39	40	41	40	93	93	92	86	91	91	91
Year	29.87	30.04	30.37	28.87	50.6	46.8	53.5	59.6	47.9	45.5	49.0	51.8	62.2	47.3	54.8	107	21	46	44	45	46	45	84	90	75	64	78	78	78

PROVIDENCE, R. I.

Airport [$\phi=41^{\circ}44' N.$; $\lambda=71^{\circ}25' W.$] City [$\phi=41^{\circ}50' N.$; $\lambda=71^{\circ}25' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)						(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	29.86	30.04	30.36	29.12	25.3	22.7	32.5	28.3	23.3	21.3	28.3	25.6	37.1	20.9	29.0	57	1	18	17	19	19	18	73	79	57	67	66		(2)
February	29.60	29.79	30.25	29.07	23.7	21.8	32.7	27.8	21.5	20.0	28.4	24.7	35.9	20.3	28.1	51	4	15	14	19	17	16	67	71	56	62	64		
March	29.69	29.87	30.21	28.80	36.2	36.4	45.2	39.4	33.9	34.0	39.0	35.9	48.7	35.0	41.8	66	31	30	30	30	31	30	78	78	58	72	71		
April	29.83	30.01	30.21	29.35	42.4	45.1	56.8	47.7	39.3	40.6	46.4	42.3	59.7	41.3	50.5	88	33	35	35	35	36	35	77	70	46	66	65		
May	29.89	30.06	30.15	29.62	54.0	56.8	66.5	59.2	51.9	53.4	57.9	54.2	70.7	53.2	62.0	89	41	50	50	51	50	50	87	81	61	74	76		
June	29.80	29.97	30.16	29.42	60.7	64.6	73.5	66.9	58.6	60.5	63.8	61.8	77.3	60.1	68.7	93	50	57	58	58	58	58	88	80	60	75	76		
July	29.81	29.98	30.16	29.48	65.2	67.7	77.8	71.1	63.2	64.5	67.9	66.3	81.6	64.1	72.8	95	58	62	62	62	64	63	90	84	62	78	78		
August	29.88	30.05	30.26	29.54	63.6	65.8	76.8	69.4	61.1	62.3	65.7	64.0	80.3	62.7	71.5	93	48	59	60	59	61	60	87	83	56	75	75		
September	29.89	30.06	30.34	29.54	58.4	59.2	72.1	63.4	66.7	56.8	62.5	59.7	75.1	56.4	65.8	93	36	55	55	56	57	56	90	86	59	81	79		
October	29.92	30.09	30.48	29.24	49.1	48.8	62.0	53.8	47.2	46.8	53.9	50.8	64.7	46.9	55.8	83	33	45	45	47	48	46	87	86	59	81	78		
November	29.86	30.04	30.44	29.13	40.5	38.6	48.7	42.7	37.9	36.5	42.7	39.2	52.0	35.4	43.7	71	21	34	33	35	34	34	78	81	62	72	73		
December	29.84	30.02	30.70	28.43	25.8	24.7	32.6	28.6	24.0	23.0	28.4	26.1	35.7	21.7	28.7	56	—10	19	18	19	20	19	74	76	57	70	69		
Year	29.82	30.00	30.70	28.43	45.4	46.0	56.4	49.9	43.2	43.3	48.7	45.9	59.9	43.2	51.5	95	—10	40	40	41	41	40	81	80	58	73	73		

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

PORT ARTHUR, TEX.
 [H=5 ft.; H_b=34 ft.; H_t=59 ft.; H_r=52 ft.; H_a=134 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hall	Fog			Maximum temperature			Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below
January.....	<i>In.</i> 1.58	<i>In.</i> 0.67	<i>In.</i> 0.0	4.7	<i>Mi.</i> 12.9	<i>n.</i>	<i>Mi.</i> 45	<i>s.</i>	1	14	7	10	8	8	0	0	0	3	2	2	2	0	0	0	9	0	4
February.....	3.22	1.29	.0	7.3	14.5	<i>n.</i>	36	<i>e.</i>	2	3	9	16	11	10	0	0	0	5	2	2	0	0	0	0	0	0	3
March.....	3.90	1.83	.0	6.3	15.1	<i>s.</i>	40	<i>nw.</i>	6	8	10	13	11	5	0	0	0	2	2	7	6	0	0	0	0	0	2
April.....	10.23	3.47	.0	6.2	16.5	<i>se.</i>	55	<i>se.</i>	8	6	11	13	7	5	0	0	1	1	0	0	0	0	0	0	0	0	6
May.....	1.26	1.23	.0	5.5	13.5	<i>s.</i>	38	<i>sw.</i>	2	7	15	9	3	1	0	0	1	1	1	1	0	0	0	0	0	0	6
June.....	15.04	3.04	.0	5.7	11.6	<i>s.</i>	41	<i>ne.</i>	5	5	18	7	15	14	0	0	0	1	0	0	0	0	9	0	0	0	14
July.....	8.17	2.08	.0	6.2	9.6	<i>s.</i>	42	<i>ne.</i>	1	6	14	11	16	14	0	0	0	0	0	0	0	0	18	2	0	0	18
August.....	10.50	4.88	.0	6.4	12.2	<i>s.</i>	66	<i>se.</i>	4	2	20	9	14	13	0	0	0	0	0	0	0	0	17	1	0	0	21
September.....	6.57	2.42	.0	5.8	11.3	<i>s.</i>	34	<i>ne.</i>	1	5	15	10	9	8	0	0	0	0	0	0	0	0	5	0	0	0	9
October.....	3.18	1.92	.0	4.2	10.7	<i>s.</i>	36	<i>sw.</i>	1	16	8	7	6	5	0	0	0	6	2	2	0	0	0	0	0	0	3
November.....	1.08	.37	.0	4.3	13.0	<i>s.</i>	29	<i>s.</i>	0	13	7	10	5	3	0	0	0	6	6	5	4	0	0	0	0	0	2
December.....	6.56	3.08	.0	5.1	13.7	<i>n.</i>	45	<i>s.</i>	3	10	10	11	10	9	0	0	0	9	6	4	3	0	0	0	0	0	6
Year.....	71.29	4.88	.0	5.6	12.9	<i>s.</i>	66	<i>se.</i>	34	95	144	126	115	95	0	0	1	40	27	23	15	0	49	3	9	0	94

PORTLAND, MAINE

Airport [H=63 ft.; H_b=63 ft.; H_t=5 ft.; H_r=24 ft.; H_a=43 ft.]

January.....	3.20	1.28	3.6	5.1	9.4	sw.	39	se.	2	15	6	10	7	6	9	3	0	4	0	0	0	17	0	0	29	10	1
February.....	3.92	1.80	16.2	4.7	9.7	nw.	34	ne.	1	13	5	10	11	9	14	10	0	4	2	0	0	15	0	0	27	5	0
March.....	7.55	2.24	14.3	5.5	10.1	w.	38	se.	4	9	13	9	13	10	12	8	0	13	6	3	3	0	0	3	26	0	0
April.....	2.17	.58	6.3	4.8	9.2	n.	25	nw.	0	14	7	9	11	10	4	3	0	10	2	2	1	0	0	0	8	0	2
May.....	1.77	.49	.0	6.6	7.8	s.	25	s.	0	7	10	14	12	8	0	0	0	21	12	10	10	0	0	0	0	1	
June.....	5.94	2.17	.0	5.5	7.1	s.	21	s.	0	11	9	10	14	9	0	0	0	23	8	6	11	0	1	0	0	5	
July.....	5.01	1.49	.0	5.3	6.9	s.	29	w.	0	11	10	10	13	11	0	0	0	23	3	3	6	0	1	0	0	5	
August.....	1.06	.57	.0	4.0	7.0	s.	23	w.	0	18	6	7	6	3	0	0	0	18	5	5	4	0	1	0	0	1	
September.....	1.28	.45	.0	5.1	7.5	s.	29	se.	0	13	4	13	10	6	0	0	0	26	9	9	11	0	0	0	2	1	
October.....	2.55	.99	.0	4.5	8.1	s.	24	s.	0	16	7	8	8	7	0	0	0	22	5	2	1	0	0	0	11	0	
November.....	4.71	1.07	1.1	5.4	8.5	nw.	33	nw.	2	12	7	11	12	10	6	4	0	23	2	2	2	1	0	0	24	0	
December.....	4.99	2.14	6.3	5.6	9.9	sw.	47	se.	2	9	10	12	9	8	16	8	0	14	1	2	1	14	0	0	31	6	
Year.....	44.15	2.24	47.8	5.2	8.4	nw.	47	se.	11	148	94	123	126	97	61	36	0	201	55	44	50	47	3	0	158	21	

PORTLAND, OREG.

Airport [H=20 ft.; H_b=39 ft.; H_t=5 ft.; H_r=4 ft.; H_a=6 ft.] City [H=30 ft.; H_b=154 ft.; H_t=68 ft.; H_r=63 ft.; H_a=106 ft.]

January.....	4.18	0.83	0.5	7.3	6.8	e.	26	se.	0	5	6	20	15	12	3	2	0	3	1	1	0	3	0	0	14	0	0
February.....	4.19	1.07	T	7.9	5.3	se.	22	w.	0	4	2	22	18	16	3	0	2	8	0	0	0	0	0	0	1	0	2
March.....	1.81	.32	.0	7.8	5.6	nw.	22	e.	0	1	9	21	17	12	0	0	3	12	1	1	0	0	0	0	0	0	0
April.....	1.98	.81	.0	7.5	5.6	nw.	27	sw	0	3	8	19	14	10	0	0	1	5	0	0	0	0	0	0	0	0	0
May.....	2.59	.61	.0	7.9	4.9	nw.	15	sw.	0	2	8	21	18	16	0	0	0	3	0	0	0	0	0	0	0	0	1
June.....	2.04	.66	.0	6.5	5.6	nw.	18	sw.	0	7	6	17	16	8	0	0	0	1	0	0	0	0	2	1	0	0	
July.....	.96	.39	.0	5.2	5.6	nw.	18	w.	0	12	9	10	5	4	0	0	0	0	0	0	0	5	3	0	0	0	
August.....	.48	.22	.0	4.0	5.4	nw.	16	ne.	0	14	10	7	4	3	0	0	0	0	0	0	0	6	3	0	0	2	
September.....	.09	.05	.0	3.7	4.9	nw.	16	w.	0	14	10	6	2	2	0	0	0	3	0	0	0	1	0	0	0	1	
October.....	3.75	1.96	.0	6.1	4.9	nw.	19	se.	0	9	8	14	10	9	0	0	0	13	0	0	3	0	0	0	0	1	
November.....	14.40	2.74	.0	8.2	6.2	se.	23	s.	0	3	5	22	24	23	0	0	1	5	0	0	0	0	0	0	0	1	
December.....	11.07	2.78	3.2	9.5	5.9	se.	23	s.	0	0	3	28	21	19	3	3	0	10	2	0	0	0	0	0	0	0	
Year.....	47.54	2.78	3.7	6.8	5.6	nw.	27	sw.	0	74	84	207	164	134	9	5	7	63	4	2	3	3	14	7	15	9	

PROVIDENCE, R. I.

Airport [H=55 ft.; H_b=62 ft.; H_t=46 ft.; H_r=44 ft.; H_a=60 ft.] City [H=12 ft.; H_b=159 ft.; H_t=65 ft.; H_r=58 ft.; H_a=— ft.]

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¹ Airport data.

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

PUEBLO, COLO.
Airport [$\phi=38^{\circ}14' N.$; $\lambda=104^{\circ}38' W.$]

Month	Pressure				Temperature (° F.)														Moisture									
	Mean		Extremes		Mean														Extremes									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity					
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	
In. (1)	In.	In. (1)	In. (1)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
January	25.37	30.24	25.81	24.94	20.8	15.5	38.8	33.9	18.2	13.7	29.9	27.2	45.4	11.5	28.4	65	-21	13	10	17	18	14	73	76	43	53	61	
February	25.17	29.98	25.46	24.77	23.3	18.0	34.7	35.2	21.2	16.7	28.3	28.4	41.6	14.8	28.2	63	-12	17	14	18	18	17	76	83	52	49	65	
March	25.17	29.91	25.57	24.66	32.5	26.4	48.8	48.8	28.2	23.8	36.9	36.6	55.2	23.5	39.4	71	13	22	20	21	20	21	64	75	36	34	52	
April	25.15	29.80	25.61	24.58	46.8	40.1	59.4	61.4	41.1	37.0	46.2	47.2	65.9	37.8	51.8	83	20	35	33	33	33	34	67	79	45	41	58	
May	25.18	29.79	25.64	24.75	53.9	46.9	68.7	71.2	44.8	41.5	50.6	51.1	76.1	43.7	59.9	96	31	36	36	34	33	35	54	70	32	27	46	
June	25.24	29.81	25.70	24.96	62.0	57.1	75.7	77.2	55.1	52.3	58.7	58.2	82.4	54.3	68.4	95	46	50	49	47	45	48	69	76	42	38	56	
July	25.38	29.96	25.64	25.15	67.1	60.7	85.5	82.2	58.3	54.7	62.5	62.1	90.2	58.6	74.4	99	50	53	51	48	50	51	63	71	31	37	50	
August	25.32	29.89	25.58	25.05	65.8	58.4	81.8	80.3	58.5	54.7	63.0	62.4	87.3	56.7	72.0	96	50	54	52	52	52	53	68	82	39	42	57	
September	25.33	29.95	25.65	24.94	55.5	49.3	72.6	72.0	50.0	46.2	55.7	56.0	77.8	46.8	62.3	92	33	46	44	43	44	44	71	81	40	41	58	
October	25.30	29.98	25.64	24.82	45.8	41.4	61.3	59.6	40.6	37.5	47.4	46.6	66.6	38.2	52.4	84	25	35	33	35	34	34	70	75	43	43	58	
November	25.24	29.97	25.74	24.63	35.6	30.4	54.3	49.8	30.0	26.5	40.6	38.2	61.4	24.3	42.8	76	13	22	21	24	24	23	61	69	34	37	50	
December	25.26	30.05	25.67	24.88	29.7	24.7	44.9	41.2	25.6	21.9	34.9	33.0	51.8	19.6	35.7	74	7	19	17	22	21	20	65	72	42	46	56	
Year	25.26	29.94	25.81	24.58	44.9	39.1	60.5	59.4	39.3	35.5	46.2	45.6	66.8	35.8	51.3	99	-21	34	32	33	33	33	67	76	40	41	56	

RALIEGH, N. C.
Airport [$\phi=35^{\circ}45' N.$; $\lambda=78^{\circ}37' W.$]

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RAPID CITY, S. DAK.
Airport [$\phi=44^{\circ}09' N.$; $\lambda=103^{\circ}06' W.$] City [$\phi=44^{\circ}04' N.$; $\lambda=103^{\circ}12' W.$]

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January	26.69	30.19	27.08	26.20	20.5	21.8	35.4	28.1	17.5	18.7	27.6	23.3	40.2	16.2	28.2	68	-18	12	12	15	15	14	69	68	47	59	61	61	(2)
February	26.58	30.08	26.88	26.23	19.5	17.0	28.0	26.0	18.4	15.9	24.3	23.1	32.4	13.6	23.0	56	-7	16	14	18	18	16	86	86	67	72	78	78	
March	26.51	29.94	26.95	26.13	30.2	27.7	39.6	40.0	27.3	25.5	32.9	32.9	45.1	26.5	35.8	64	18	22	22	23	22	22	73	77	54	51	64	64	
April	26.51	29.87	26.95	26.07	45.0	41.1	54.8	56.5	40.4	38.0	45.6	45.7	61.6	38.6	50.1	85	24	35	34	36	34	35	69	77	57	50	63	63	
May	26.57	29.93	26.93	26.09	45.7	43.1	55.1	56.6	43.6	41.3	47.6	48.9	60.5	41.5	51.0	85	30	42	40	41	42	41	86	88	64	62	75	75	
June	26.58	29.90	27.04	26.18	57.1	53.4	66.8	69.0	53.8	50.5	56.9	58.8	71.1	52.5	61.8	85	36	51	48	50	52	50	82	83	56	56	69	69	
July ³	26.67	29.96	27.00	26.36	65.1	60.6	78.6	80.3	59.4	56.1	64.4	64.6	84.2	59.7	72.0	94	50	56	53	56	56	55	73	78	48	45	61	61	
August	26.63	29.91	26.96	26.33	64.5	59.4	78.0	81.0	56.7	54.4	61.0	61.9	84.1	56.7	70.4	100	46	51	51	51	50	51	64	74	40	36	54	54	
September	26.66	30.00	26.95	26.34	52.3	47.8	64.5	65.4	46.5	44.2	51.5	51.4	70.9	43.8	57.4	97	18	42	41	41	40	41	68	78	48	44	60	60	
October	26.64	30.03	27.08	26.21	43.0	41.8	67.5	52.7	39.0	37.5	45.8	43.4	61.7	37.7	49.7	84	15	35	32	34	34	34	74	71	46	54	61	61	
November	26.55	29.99	27.14	25.79	31.1	30.5	43.5	35.7	27.6	27.1	34.8	30.4	48.9	23.3	36.1	78	8	22	22	24	23	23	71	71	51	62	64	64	
December	26.57	30.05	27.13	26.16	25.5	23.1	32.3	28.9	23.6	21.8	28.5	26.3	38.1	17.7	27.9	59	1	20	19	22	22	21	81	84	68	77	77	77	
Year	26.60	29.99	27.14	25.79	41.6	38.9	52.8	51.7	37.8	35.9	43.4	42.6	58.2	35.6	47.0	100	-18	34	32	34	34	34	75	78	54	56	66	66	

READING, PA.
[$\phi=40^{\circ}20' N.$; $\lambda=75^{\circ}58' W.$]

January	29.72	30.09	30.21	28.98	26.5	34.4	23.8	29.4	37.9	22.4	30.2	57	2	17	18	18	18	66	51	57
February	29.55	29.91	30.08	28.88	26.2	34.3	23.2	28.5	36.8	23.1	30.0	49	8	15	15	15	15	61	45	53
March	29.53	29.88	29.96	28.46	38.8	47.8	35.3	40.0	51.4	35.5	43.4	68	30	30	29	30	69	51	60	
April	29.71	30.07	29.99	29.29	48.5	64.4	42.9	50.3	67.5	44.1	55.8	90	32	36	36	36	64	39	52	
May	29.69	30.04	30.01	29.40	60.9	73.5	55.7	60.6	76.2	55.7	66.0	93	41	52	51	52	72	48	60	
June	29.63	29.97	29.98	29.26	67.6	78.5	63.0	66.0	80.8	62.8	71.8	91	55	60	58	59	78	52	65	
July	29.65	29.99	29.93	29.30	71.1	83.5	65.8	69.6	85.8	67.1	76.4	96	57	63	62	62	76	50	63	
August	29.71	30.05	30.08	29.44	67.5	79.7	63.9	67.6	81.5	63.2	72.4	92	49	62	61	62	83	54	68	
September	29.71	30.06	30.23	29.26	61.2	75.0	58.3	63.1	77.1	56.7	66.9	93	35	56	55	56	84	52	68	
October	29.72	30.08	30.20	29.22	50.7	64.7	47.8	54.5	66.4	48.1	57.2	82	32	45	46	46	80	53	66	
November	29.72	30.08	30.22	29.05	41.1	51.6	37.7	42.9	54.1	36.1	45.1	75	23	33	32	32	73	48	60	
December	29.71	30.08	30.40	28.47	27.4	34.3	26.1	30.1	37.0	24.1	30.6	53	0	21	22	22	73	59	66	
Year	29.67	30.03	30.40	28.46	49.0	60.1	45.3	50.2	62.7	44.9	53.8	96	0	41	40	41	73	50	62	

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

PUEBLO, COLO.

Airport [$H=4,799$ ft.; $H_b=4,806$ ft.; $H_t=5$ ft.; $H_r=5$ ft.; $H_a=36$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm
January	<i>In.</i> 0.11	<i>In.</i> 0.09	<i>In.</i> 3.5	3.6	<i>Mi.</i> 7.0	w.	38	w.	2	15	12	4	3	1	8	3	0	4	1	0	0	7	0	0	30	7	1
February	.45	.15	9.0	5.9	7.2	w.	41	nw.	1	9	7	12	8	5	14	8	0	4	2	1	1	6	0	0	28	4	0
March	.89	.38	5.8	4.5	9.5	w.	42	n.	3	14	7	10	5	4	11	4	0	2	1	0	1	0	0	0	28	0	0
April	6.17	2.26	4.7	6.8	9.9	w.	50	n.	6	5	9	16	12	11	4	2	1	7	2	2	2	0	0	0	6	0	5
May	.92	.40	T	4.3	10.6	e.	46	w.	6	13	15	3	8	3	2	0	0	0	0	0	0	0	3	1	1	0	3
June	2.88	.90	.0	5.6	8.4	e.	40	nw.	1	9	12	9	10	9	0	0	2	5	2	1	1	0	9	1	0	0	11
July	1.10	.58	.0	3.8	8.2	w.	41	w.	4	13	17	1	7	4	0	0	1	1	0	0	0	0	19	11	0	0	13
August	1.58	.83	.0	4.6	7.5	nw.	40	sw.	3	12	14	5	9	6	0	0	0	0	0	0	0	14	1	0	0	0	12
September	1.76	1.44	.0	4.0	7.1	se.	33	ne.	1	15	8	7	5	4	0	0	0	7	1	0	1	0	2	0	0	0	3
October	1.94	1.02	.5	5.3	7.7	nw.	49	w.	4	10	9	12	6	4	4	2	0	5	1	0	0	0	0	0	6	0	1
November	.07	.07	1.2	4.9	7.9	w.	52	sw.	5	11	12	7	1	1	3	1	0	2	1	0	0	0	0	0	27	0	0
December	.49	.49	4.6	4.9	8.5	w.	43	w.	4	11	14	6	2	2	6	2	0	4	0	0	0	1	0	0	31	0	0
Year	18.36	2.26	29.3	4.8	8.3	w.	52	sw.	40	137	136	92	76	54	52	22	4	41	11	5	6	14	47	14	157	11	49

RALEIGH, N. C.

Airport [$H=363$ ft.; $H_b=358$ ft.; $H_t=28$ ft.; $H_r=5$ ft.; $H_a=69$ ft.]

January.....	1.29	0.34	0.5	5.0	9.0	sw.	34	w.	3	11	12	8	8	7	3	1	0	11	2	2	2	3	0	0	16	0	1
February.....	2.51	1.55	T	5.6	10.6	nw.	39	s.	2	10	7	11	7	5	4	0	0	5	2	1	0	0	0	0	20	0	1
March.....	5.04	1.71	.6	5.6	11.8	sw.	38	w.	4	9	9	13	11	10	2	1	0	12	2	2	2	0	0	0	3	0	1
April.....	1.68	1.65	.0	3.4	9.0	sw.	32	nw.	1	20	3	7	3	2	0	0	0	5	0	0	1	0	2	0	0	0	7
May.....	3.36	1.38	.0	5.8	8.3	s.	24	sw.	0	9	9	13	11	10	0	0	0	13	1	1	0	2	0	0	0	0	1
June.....	4.34	2.66	.0	6.0	7.2	sw.	32	w.	1	6	12	12	11	7	0	0	0	10	3	2	2	0	12	2	0	0	8
July.....	3.15	.87	.0	6.4	7.0	sw.	30	nw.	0	7	7	17	11	9	0	0	0	14	3	3	3	0	19	8	0	0	10
August.....	7.03	1.26	.0	6.7	7.3	sw.	42	nw.	1	6	9	16	15	14	0	0	0	16	5	3	1	0	9	3	0	0	15
September.....	5.30	3.20	.0	4.7	7.2	sw.	25	sw.	0	11	12	7	7	6	0	0	0	16	3	2	1	0	10	1	0	0	4
October.....	6.26	1.71	.0	5.1	7.4	ne.	31	ne.	0	12	7	12	9	9	0	0	0	20	5	4	1	0	0	0	0	0	2
November.....	1.56	.75	.0	4.0	8.5	ne.	32	nw.	1	15	7	8	9	8	0	0	0	12	7	4	5	0	0	0	4	0	1
December.....	3.81	1.06	5.6	6.2	9.3	ne.	38	w.	2	9	4	18	15	12	2	2	0	18	6	5	7	1	0	0	16	0	1
Year.....	45.33	3.20	6.7	5.4	8.5	sw.	42	nw.	15	125	98	142	117	99	11	4	0	152	38	29	26	4	54	14	59	0	52

RAPID CITY, S. DAK.

Airport [$H=3,215$ ft.; $H_b=3,218$ ft.; $H_t=5$ ft.; $H_r=5$ ft.; $H_a=63$ ft.] City [$H=3,242$ ft.; $H_b=3,259$ ft.; $H_t=50$ ft.; $H_r=43$ ft.; $H_a=58$ ft.]

January.....	0.04	0.02	0.5	4.1	7.8	w.	37	nw.	2	18	6	7	3	0	7	2	0	0	0	0	9	0	0	27	8	0	
February.....	.44	.16	5.2	6.4	6.2	n.	25	n.	0	6	9	13	9	3	15	8	0	1	0	2	15	0	0	28	4	0	
March.....	.55	.30	4.2	5.6	10.7	nw.	35	nw.	2	7	13	11	5	3	9	4	0	3	1	1	0	3	0	0	29	0	0
April.....	4.21	1.00	T	6.3	9.4	n.	30	n.	0	6	11	13	12	9	1	0	1	0	0	0	0	0	0	5	0	3	
May.....	4.78	1.19	8.0	6.6	8.4	n.	25	nw.	0	6	10	15	16	15	5	4	0	3	0	1	1	0	0	5	0	5	
June.....	3.23	1.23	.0	6.3	7.5	n.	30	nw.	0	3	19	8	12	10	0	0	1	1	1	0	1	0	0	0	0	12	
July.....	1.69	.71	.0	4.2	7.4	n.	28	nw.	2	11	18	2	13	7	0	0	1	2	1	0	0	7	0	0	0	14	
August.....	.24	.18	.0	4.0	12.7	s.	45	nw.	8	13	14	4	3	2	0	0	0	1	0	0	0	7	1	0	0	13	
September.....	1.74	.78	.5	5.1	13.4	nw.	66	nw.	9	9	10	11	11	8	3	1	0	3	2	2	0	4	2	6	0	2	
October.....	1.68	.74	1.0	4.9	13.6	nw.	56	nw.	9	11	10	10	9	7	6	2	0	5	3	0	1	0	0	10	0	0	
November.....	.38	.22	1.8	6.1	13.0	nw.	46	nw.	11	7	9	14	5	3	13	4	0	3	0	1	0	5	0	0	26	0	1
December.....	.36	.21	3.0	6.1	12.0	nw.	56	nw.	9	8	12	11	6	4	8	4	0	5	4	2	0	8	0	0	31	0	0
Year.....	19.34	1.23	24.2	5.5	10.2	nw.	66	nw.	52	105	141	119	104	71	67	29	2	28	12	9	3	40	18	3	167	12	50

READING, PA.

[$H=266$ ft.; $H_b=323$ ft.; $H_t=47$ ft.; $H_r=40$ ft.; $H_a=306$ ft.]

January.....	2.49	0.83	7.3	5.5	11.7	nw.	44	w.	5	10	8	13	11	8	7	7	0	4	1	0	0	7	0	0	24	0	0
February.....	2.40	1.03	2.7	5.8	17.5	nw.	46	e.	14	10	6	12	5	4	6	1	0	5	1	0	0	6	0	0	23	0	0
March.....	4.85	1.21	1.3	6.4	14.2	nw.	51	s.	12	8	7	16	13	11	8	3	0	9	1	0	0	0	0	0	4	0	1
April.....	1.47	1.05	T	5.1	12.0	nw.	41	e.	7	13	5	12	6	4	3	0	0	4	0	0	0	0	1	0	0	0	0
May.....	9.29	4.32	.0	5.4	10.7	se.	33	s.	2	9	15	7	11	8	0	0	0	0	0	0	0	0	0	0	0	0	7
June.....	4.74	1.63	.0	6.0	9.5	nw.	31	nw.	0	10	6	14	14	10	0	0	0	8	3	0	0	1	0	0	0	0	5
July.....	5.60	1.67	.0	5.7	8.8	nw.	40	sw.	5	9	11	11	11	10	0	0	1	10	0	0	0	6	1	0	0	0	9
August.....	7.75	3.08	.0	6.1	7.8	sw.	32	e.	1	8	8	15	12	10	0	0	0	10	2	2	0	0	0	0	0	0	5
September.....	3.98	3.10	.0	5.1	8.7	nw.	37	n.	4	11	7	12	7	5	0	0	0	8	1	0	0	3	0	0	0	0	2
October.....	3.22	1.56	.0	5.7	9.6	e.	28	se.	0	11	7	13	10	9	0	0	0	13	0	0	0	0	0	0	1	0	0
November.....	3.33	1.09	T	4.9	11.8	nw.	48	nw.	5	13	7	10	10	10	1	0	0	7	0	0	0	0	0	0	11	0	1
December.....	5.09	1.90	6.6	6.8	12.2	nw.	47	w.	6	7	7	17	15	13	10	6	0	13	2	2	2	6	0	0	25	0	0
Year.....	54.21	4.32	17.9	5.7	11.2	nw.	51	s.	61	119	94	152	125	102	35	17	1	98	11	4	2	19	15	1	89	0	30

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

REDDING, CALIF.
Airport [$\phi=40^{\circ}35' N.$; $\lambda=122^{\circ}24' W.$]

Month	Pressure				Temperature (° F.)														Moisture								
	Mean		Extremes		Mean														Mean								
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Extremes		Dew point				Relative humidity					
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.				Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
January	<i>In.</i> 29.38	<i>In.</i> 30.16	<i>In.</i> 29.61	<i>In.</i> 28.95	° 45.4	° 42.6	° 47.2	° 53.3	° 41.3	° 39.4	° 42.1	° 45.9	° 55.4	° 40.0	° 47.7	° 74	° 27	° 36	° 35	° 36	° 38	° 36	% 72	% 77	% 68	% 61	% 69
February	29.25	30.03	29.52	28.81	46.1	43.0	50.2	55.2	41.3	39.2	42.7	44.9	56.8	40.2	48.5	67	32	35	34	33	32	34	67	72	56	46	60
March	29.28	30.06	29.56	28.77	51.3	45.6	55.5	61.9	42.5	39.3	44.4	47.0	63.3	42.8	53.0	75	32	31	31	30	29	30	48	58	42	33	45
April	29.16	29.94	29.50	28.84	54.1	48.8	57.5	62.5	48.4	45.1	49.3	51.4	65.0	46.2	55.6	85	38	43	41	41	40	41	68	76	58	52	63
May	29.20	29.97	29.45	28.89	58.5	52.5	64.9	69.1	51.1	47.5	52.9	54.4	71.9	50.3	61.1	95	37	44	42	42	42	43	61	71	47	40	55
June	29.13	29.90	29.33	28.97	72.0	64.1	77.8	85.7	55.8	52.6	58.0	60.0	86.8	62.6	74.7	109	54	42	42	42	39	41	36	47	29	21	33
July	29.14	29.90	29.30	28.94	81.7	71.7	86.9	95.1	62.2	58.8	64.3	64.7	96.3	69.5	82.9	111	61	49	50	50	43	48	33	47	29	18	32
August	29.09	29.85	29.27	28.93	79.3	69.8	86.2	94.5	60.1	56.2	62.8	63.5	95.5	67.7	81.6	107	59	46	46	47	41	45	32	43	27	17	30
September	29.14	29.90	29.33	28.91	72.1	64.5	78.1	86.2	56.3	53.0	58.3	60.6	87.7	62.3	75.0	101	55	43	43	42	40	42	38	48	31	23	35
October	29.24	30.01	29.55	28.95	64.8	59.4	70.9	77.9	52.3	49.9	54.4	56.7	79.4	57.0	68.2	96	45	41	41	40	39	40	45	53	36	28	41
November	29.29	30.07	29.65	28.72	61.4	47.9	54.2	58.4	45.5	43.0	46.0	48.2	61.0	45.4	53.2	78	37	39	37	37	37	38	66	69	57	51	61
December	29.38	30.17	29.62	28.93	44.3	42.1	45.9	49.1	41.5	39.7	42.0	44.2	51.3	38.9	45.1	71	31	38	37	38	39	38	82	83	75	73	78
Year	29.22	30.00	29.65	28.72	60.1	54.3	64.6	70.7	49.9	47.0	51.4	53.5	72.5	51.9	62.2	111	27	41	40	40	38	40	54	62	46	39	50

RENO, NEV.

³ Airport [$\phi=39^{\circ}30' N.$; $\lambda=119^{\circ}48' W.$] City [$\phi=39^{\circ}32' N.$; $\lambda=119^{\circ}49' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)						(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	25.59	30.28	25.92	25.28	23.5	20.2	26.7	33.7	22.7	19.6	25.5	30.5	36.8	20.2	28.5	51	—9	22	19	24	26	22	92	93	87	75	87
February	25.40	30.01	25.69	24.96	31.1	27.3	37.0	42.0	28.3	25.3	31.6	34.4	43.9	25.9	34.9	54	16	24	22	24	24	24	75	80	58	49	66
March	25.46	30.05	25.76	24.94	34.2	26.4	44.5	53.2	30.0	24.8	35.7	39.4	53.5	28.2	40.8	70	20	24	22	24	22	23	66	83	46	30	56
April	25.36	29.89	25.68	25.06	43.3	34.2	53.5	58.8	37.2	31.7	41.9	43.4	60.3	34.8	47.6	75	28	30	28	29	26	28	60	79	40	30	52
May	25.42	29.95	25.71	25.14	47.1	38.6	58.0	62.7	40.4	35.4	44.7	45.8	64.4	39.3	51.8	86	29	33	32	31	29	31	60	77	37	29	51
June	25.44	29.92	25.68	25.27	56.8	43.9	70.2	77.0	46.6	40.3	50.9	52.8	77.1	46.7	61.9	93	41	37	37	34	31	35	50	78	27	20	44
July	25.51	29.96	25.68	25.38	67.5	50.7	82.2	89.1	53.3	46.9	57.9	59.5	90.2	56.4	73.3	99	46	42	44	40	38	41	41	77	23	18	40
August	25.46	29.91	25.58	25.32	64.6	49.6	78.5	88.3	51.9	45.8	56.7	58.5	88.2	54.4	71.3	97	41	42	43	41	37	41	45	78	27	17	42
September ³	25.47	29.96	25.71	25.27	53.5	41.9	69.7	79.8	45.3	39.0	51.3	54.0	83.8	37.1	60.4	92	27	38	36	36	32	36	56	80	29	19	46
October	25.54	30.08	25.76	25.16	43.7	35.0	59.0	68.7	38.5	32.8	45.9	49.0	73.3	29.9	51.6	88	18	33	30	34	31	32	66	82	39	26	54
November	25.49	30.08	25.83	25.02	37.3	31.2	45.7	52.3	33.5	29.1	38.5	41.7	58.6	25.3	42.0	74	14	29	27	30	30	29	73	84	56	46	65
December	25.54	30.17	25.90	25.13	33.2	29.7	38.6	42.9	30.7	27.9	33.9	37.0	49.0	24.2	36.6	61	14	28	26	29	30	28	80	86	69	61	74
Year	25.48	30.02	25.92	24.94	44.6	35.7	55.3	62.4	38.2	33.2	42.9	45.5	64.9	35.2	50.1	99	—9	32	30	31	30	31	64	81	45	35	56

RICHMOND, VA.

Airport [$\phi=37^{\circ}30' N.$; $\lambda=77^{\circ}20' W.$] ⁴ City [$\phi=37^{\circ}32' N.$; $\lambda=77^{\circ}25' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)						(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.94	30.10	30.47	29.21	30.5	28.5	43.3	35.8	28.5	26.9	36.5	32.1	46.4	27.2	36.8	67	2	25	24	25	26	25	80	82	51	67	70
February	29.79	29.95	30.27	29.07	31.7	27.5	42.8	36.7	28.4	25.2	35.1	31.3	46.5	27.1	36.8	65	12	22	20	21	20	21	65	73	42	52	58
March	29.75	29.90	30.11	28.64	42.4	40.6	56.6	50.5	39.6	38.3	46.2	43.7	59.9	38.4	49.2	80	31	36	35	34	35	35	79	82	46	59	66
April	29.92	30.07	30.21	29.50	51.1	51.2	70.7	62.1	46.0	46.5	53.8	51.0	73.2	47.1	60.2	91	33	41	42	38	40	40	69	71	33	46	55
May	29.88	30.03	30.14	29.58	61.8	63.9	79.2	71.0	58.7	60.0	64.3	63.1	81.5	59.9	70.7	95	51	57	57	55	58	57	84	79	44	66	68
June	29.81	29.96	30.12	29.47	67.9	70.4	83.1	76.4	65.8	67.2	71.0	70.0	84.9	66.8	75.8	99	60	64	65	65	67	65	90	85	56	74	76
July	29.85	30.00	30.08	29.63	71.8	74.6	87.7	79.6	70.0	70.9	73.6	74.0	89.3	70.7	80.0	100	64	69	69	67	72	69	92	84	52	78	76
August	29.90	30.05	30.21	29.60	69.0	70.3	81.6	73.7	67.7	68.5	71.7	70.1	83.6	67.1	75.4	98	52	67	68	67	68	68	94	91	63	84	83
September ⁴	29.90	30.05	30.37	29.45	65.0	65.2	80.0	70.3	63.2	63.3	68.5	66.4	82.1	61.9	72.0	94	40	62	62	62	64	62	90	90	56	81	79
October	29.87	30.02	30.31	29.43	56.2	54.6	68.3	61.5	54.5	53.5	59.5	57.8	70.5	51.9	61.2	81	32	53	52	53	55	54	90	93	63	80	81
November	29.95	30.11	30.37	29.37	46.4	44.0	58.8	52.1	44.4	42.2	51.5	48.2	60.8	40.7	50.8	79	23	42	40	45	44	43	86	86	62	76	78
December	29.93	30.10	30.55	28.86	35.8	32.7	41.7	38.3	33.9	31.2	37.3	35.3	46.2	29.2	37.7	63	4	30	28	30	30	30	81	85	66	74	77
Year	29.87	30.03	30.55	28.64	52.5	52.0	66.2	59.0	50.1	49.5	55.8	53.6	68.7	49.0	58.9	100	2	47	47	47	48	47	83	83	53	70	72

ROCHESTER, N. Y.

Airport [$\phi=43^{\circ}7' N.$; $\lambda=77^{\circ}40' W.$]

	(1)		(1)	(1)														(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.44	30.03	29.92	28.62	23.0	21.9	27.4	24.9	21.8	20.6	25.0	23.4	31.5	17.3	24.4	50	—10	20	18	20	21	20	85	84	73	83	81	
February	29.36	29.95	29.91	28.68	19.4	18.2	23.4	21.2	18.8	17.6	21.6	20.2	27.0	13.7	20.4	40	—4	17	16	18	18	17	90	90	77	86	86	
March	29.28	29.86	29.78	28.26	32.8	32.5	39.9	35.7	31.4	30.7	35.6	33.2	42.1	29.0	35.6	62	19	29	28	30	30	29	86	84	69	78	79	
April	29.47	30.04	29.80	28.98	44.1	44.3	58.2	52.9	40.7	40.7	48.8	45.7	60.7	39.5	50.1	86	29	37	37	40	39	38	77	76	55	61	67	
May	29.44	30.00	29.77	29.13	54.9	55.9	66.5	61.9	52.0	52.1	57.1	55.4	69.8	49.9	59.9	90	34	50	49	50	50	50	84	78	58	67	72	
June	29.40	29.96	29.74	29.10	60.4	63.1	76.2	70.6	58.0	59.2	64.6	62.6	78.7	57.0	67.8	94	46	57	56	58	58	57	87	80	57	66	72	
July	29.42	29.98	29.70	29.11	64.4	66.2	79.2	75.0	60.9	62.9	66.7	65.0	82.1	60.0	71.0	95	47	59	60	60	59	59	82	80	53	59	68	
August	29.48	30.04	29.84	29.17	62.8	63.3	77.1	70.6	59.9	60.3	65.8	63.6	79.0	59.3	69.2	91	43	58	58	60	59	85	85	56	69	74		
September	29.47	30.03	29.87	28.91	57.4	56.2	70.5	62.5	55.1	54.1	60.0	57.5	73.6	52.2	62.9	90	31	54	53	53	54	53	87	88	56	74	76	
October	29.46	30.03	30.00	28.88	48.8	47.1	59.4	52.5	45.9	44.7	51.0	48.0	61.7	43.1	52.4	79	29	43	42	44	44	43	81	84	58	73	74	
November	29.46	30.04	30.02	28.82	37.8	36.7	45.2	38.9	35.8	34.8	39.6	36.1	47.5	31.2	39.4	69	16	33	32	33	32	33	84	85	62	77	77	
December	29.44	30.03	30.08	28.35	24.2	23.9	27.9	24.7	23.1	22.5	26.0	23.6	30.5	18.2	24.4	41	—16	21	20	23	22	21	86	82	79	87	84	
Year	29.43	30.00	30.08	28.26	44.2	44.1	54.2	49.3	42.0	41.6	46.8	44.5	57.0	39.2	48.1	95	—16	40	39	41	41	40	84	83	63	73	76	

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

REDDING, CALIF.

[H=714 ft.; H_b=722 ft.; H_t=20 ft.; H_r=3 ft.; H_a=34 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	In. 6.40	In. 2.09	In. 0.0	7.1	Mi. 7.5	nw.	32	s.	1	7	4	20	13	12	0	0	1	14	6	4	5	0	0	0	6	0	1
February	9.64	3.70	0	5.2	8.3	nw.	25	s.	0	11	6	11	12	8	0	0	1	7	1	1	0	0	0	0	0	0	2
March	1.87	.67	T	5.8	8.2	nw.	22	sw.	0	10	6	15	5	5	2	1	1	4	0	0	0	0	0	0	1	0	2
April	6.45	1.60	0	7.5	8.1	nw.	31	se.	0	4	8	18	13	12	0	0	1	5	1	0	0	0	0	0	0	0	2
May	2.32	.80	0	6.6	7.6	nw.	26	w.	0	6	9	16	11	9	0	0	1	0	0	0	0	2	1	0	0	0	4
June	.22	.22	0	2.5	9.7	nw.	27	w.	0	20	7	3	2	2	0	0	0	0	0	0	0	0	8	5	0	0	3
July	.00	.00	0	1.2	8.0	nw.	28	nw.	0	29	2	0	0	0	0	0	0	0	0	0	0	0	23	16	0	0	0
August	.00	.00	0	0.7	7.6	nw.	22	nw.	0	30	0	1	0	0	0	0	0	0	0	0	0	0	25	17	0	0	0
September	.10	.08	0	2.2	8.1	nw.	26	ne.	0	20	8	2	2	1	0	0	0	0	0	0	0	0	11	6	0	0	1
October	1.35	1.24	0	2.8	8.2	nw.	24	nw.	0	21	3	7	5	2	0	0	0	2	0	0	0	5	1	0	0	0	0
November	5.83	2.80	0	7.0	7.5	nw.	36	se.	1	5	6	19	13	12	0	0	0	5	3	2	1	0	0	0	0	0	1
December	6.36	1.73	T	7.9	6.5	nw.	23	nw.	0	5	5	21	16	11	1	1	0	14	6	6	4	0	0	0	1	0	0
Year	40.54	3.70	T	4.7	7.9	nw.	36	se.	2	168	64	133	92	74	3	2	5	51	17	13	10	0	74	46	8	0	16

RENO, NEV.

Airport [H=4,397 ft.; H_b=4,400 ft.; H_t=20 ft.; H_r=4 ft.; H_a=52 ft.] City [H=4,493 ft.; H_b=4,527 ft.; H_t=52 ft.; H_r=53 ft.; H_a=76 ft.]

January	1.41	0.60	0.8	6.9	3.3	w.	24	w.	0	7	7	17	8	5	7	3	0	5	2	0	0	11	0	0	27	4	0
February	.68	.30	1.7	5.2	5.8	w.	32	s.	1	11	4	13	8	4	8	6	0	0	0	0	0	0	0	0	22	0	0
March	.53	.28	2.0	4.1	6.2	w.	28	w.	0	12	14	5	4	3	6	2	0	0	0	0	0	1	0	0	25	0	0
April	.27	.19	T	4.9	7.8	w.	33	s.	1	11	11	8	5	2	3	1	0	1	0	1	1	0	0	0	10	0	0
May	.30	.10	T	4.3	7.7	w.	29	w.	0	13	14	4	6	3	3	2	1	0	0	0	0	0	0	0	3	0	0
June	.08	.07	0	1.8	7.0	w.	24	sw.	0	25	4	1	3	1	0	0	0	0	0	0	0	0	1	0	0	0	1
July	T	T	0	1.0	6.3	w.	22	w.	0	29	2	0	0	0	0	0	0	0	0	0	0	0	17	10	0	0	2
August	T	T	0	1.5	6.1	w.	23	w.	0	26	3	2	0	0	0	0	0	0	0	0	0	0	17	6	0	0	1
September	.02	.02	0	1.7	5.6	w.	34	w.	1	25	4	1	1	0	0	0	0	0	0	0	0	0	8	0	4	0	1
October	.07	.04	T	2.8	4.9	sw.	28	nw.	0	18	10	3	3	0	3	0	0	0	0	0	0	0	0	0	20	0	0
November	.96	.46	.3	5.9	7.6	sw.	52	sw.	7	7	10	13	5	4	2	1	0	1	1	1	1	0	0	0	24	0	0
December	.56	.29	.4	7.7	6.7	sw.	40	s.	7	1	10	20	8	4	5	3	0	7	5	4	6	1	0	0	27	0	0
Year	4.88	.60	5.2	4.0	6.3	w.	52	sw.	17	185	93	87	51	26	37	18	1	14	8	6	8	13	43	16	162	4	5

RICHMOND, VA.

Airport [H=160 ft.; H_b=164 ft.; H_t=5 ft.; H_r=4 ft.; H_a=53 ft.] City [H=162 ft.; H_b=144 ft.; H_t=11 ft.; H_r=3 ft.; H_a=52 ft.]

January	4.33	1.30	5.2	4.7	8.5	sw.	34	sw.	2	16	3	12	10	9	6	3	1	1	1	1	0	4	0	0	18	0	1
February	1.11	.65	T	4.8	9.3	nw.	26	sw.	0	12	7	9	5	5	3	0	0	3	2	2	1	0	0	0	21	0	0
March	5.15	2.21	T	5.6	10.4	nw.	44	w.	2	10	9	12	12	12	2	1	0	4	2	3	2	0	0	0	3	0	1
April	.52	.22	0	3.7	8.4	sw.	32	nw.	1	17	7	6	2	2	0	0	0	2	1	0	0	0	1	0	0	0	0
May	3.57	2.18	0	5.1	7.7	sw.	22	ne.	0	9	13	9	7	7	0	0	0	3	1	0	0	0	3	0	0	0	10
June	4.75	1.18	0	5.8	6.6	sw.	22	n.	0	7	14	9	9	9	0	0	0	5	2	2	2	0	6	1	0	0	10
July	4.31	1.01	0	4.9	6.1	sw.	31	nw.	0	9	15	7	12	12	0	0	0	4	2	1	1	0	15	4	0	0	12
August	5.73	1.95	0	6.2	6.5	sw.	38	n.	1	7	11	13	19	9	0	0	0	3	2	2	2	0	5	3	0	0	10
September	3.05	1.12	0	4.3	6.5	ne.	35	nw.	1	13	10	7	9	5	0	0	0	3	2	2	2	0	7	0	0	0	3
October	7.38	2.40	0	5.5	6.9	sw.	20	ne.	0	13	4	14	12	12	0	0	0	21	9	3	2	0	0	0	2	0	2
November	1.23	.75	0	4.7	8.1	sw.	26	sw.	0	15	4	11	6	6	0	0	0	18	5	4	0	0	0	0	5	0	0
December	3.05	.60	7.3	6.8	8.5	sw.	35	w.	1	6	7	18	16	12	8	5	0	18	9	7	5	2	0	0	18	0	1
Year	44.18	2.40	12.5	5.2	7.8	sw.	44	w.	8	134	104	127	119	100	19	9	1	85	38	27	17	6	37	8	67	0	50

ROCHESTER, N. Y.

Airport [H=543 ft.; H_b=555 ft.; H_t=5 ft.; H_r=3 ft.; H_a=69 ft.]

January	1.28	0.33	5.0	7.3	12.5	sw.	46	w.	6	6	5	20	16	6	23	12	0	13	2	1	1	13	0	0	27	4	0
February	4.51	2.42	31.5	8.1	13.7	nw.	40	nw.	3	4	2	22	21	14	24	18	0	9	3	2	1	20	0	0	28	3	0
March	5.42	2.21	18.4	7.7	13.0	w.	50	w.	7	4	7	20	20	15	18	14	0	14	2	2	2	0	0	0	22	0	2
April	2.60	1.01	5.3	5.9	11.8	nw.	33	w.	2	7	13	10	13	7	6	4	0	10	0	1	0	0	0	0	5	0	2
May	3.51	.91	0	7.4	9.0	sw.	33	sw.	1	2	10	19	19	13	0	0	0	19	2	2	0	0	1	0	0	0	6
June	1.03	.37	0	6.3	7.3	sw.	30	w.	0	5	13	12	12	8	0	0	0	17	2	1	2	0	3	0	0	0	4
July	2.84	1.73	0	5.6	8.6	w.	37	w.	1	9	11	11	9	7	0	0	0	13	1	0	1	0	4	1	0	0	6
August	1.66	.87	0	6.3	7.8	sw.	30	w.	0	8	8	15	9	5	0	0	0	13	1	2	2	0	1	0	0	0	5
September	2.72	.83	0	6.0	8.1	sw.	33	w.	1	6	13	11	13	8	0	0	0	19	1	1	2	0	0	0	1	0	5
October	3.22	1.52	T	6.2	8.6	w.	34	sw.	1	9	7	15	9	9	2	0	0	15	2	1	0	0	0	0	3	0	0
November	3.40	.92	5.5	7.3	10.9	w.	40	w.	4	3	15	12	18	13	12	5	0	15	3	2	1	2	0	0	18	0	0
December	4.48	1.24	18.5	8.9	12.5	w.	44	w.	5	1	4	26	20	16	24	14	0	17	0	0	0	14	0	0	28	3	0
Year	36.67	2.42	84.2	6.9	10.3	w.	50	w.	31	64	108	193	179	121	109	67	0	174	19	15	12	49	9	1	132	10	30

ROSEBURG, OREG.
[$\phi=43^{\circ}13' N.$; $\lambda=123^{\circ}20' W.$]

Month	Pressure				Temperature (° F.)												Moisture										
	Mean		Extremes		Mean												Extremes										
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point				Relative humidity					
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
			In.	In.	In.	In.	°	°	°	°	°	°						°	°	°	°	°	°	°	°	°	°
January	29.57	30.13	29.93	28.92	40.1	38.8	41.2	47.1	39.1	37.9	39.1	43.3	49.7	36.3	43.0	63	17	38	37	37	39	38	92	92	84	75	86
February	29.50	30.06	29.93	29.02	42.1	38.5	42.2	50.2	40.5	37.7	39.7	44.1	52.4	36.0	44.2	63	28	39	37	36	37	37	87	94	81	62	81
March	29.56	30.12	29.93	29.10	44.1	38.6	46.6	55.9	41.5	37.6	42.2	46.6	57.7	36.6	47.2	77	29	38	36	37	36	37	81	92	70	50	73
April	29.40	29.95	29.79	28.93	49.5	43.4	53.5	60.9	46.0	42.1	47.1	50.0	63.9	41.3	52.6	81	33	42	41	40	39	41	78	91	62	47	69
May	29.49	30.04	29.79	29.11	52.5	48.4	57.2	63.2	49.2	46.7	50.6	53.2	66.4	46.9	56.6	90	35	46	45	44	45	45	80	89	63	54	72
June	29.51	30.06	29.71	29.26	58.1	51.1	63.1	71.4	53.1	49.3	54.4	57.7	73.9	49.7	61.8	104	40	49	48	47	47	48	72	88	58	44	66
July	29.49	30.03	29.68	29.18	67.4	58.9	71.1	82.2	60.4	56.3	61.1	65.0	83.8	57.5	70.6	106	50	56	54	54	54	55	68	86	57	40	63
August	29.43	29.96	29.68	29.22	67.9	58.5	70.9	83.9	59.7	55.3	60.5	64.5	85.1	56.4	70.8	103	49	54	53	54	53	54	62	82	56	36	59
September	29.47	30.01	29.67	29.16	61.2	51.5	65.5	79.0	54.3	49.3	55.6	60.8	80.3	49.1	64.7	95	39	49	47	48	48	48	65	86	55	38	61
October	29.56	30.11	29.80	29.27	52.7	47.5	56.2	67.2	49.6	46.3	51.2	55.5	69.3	44.7	57.0	89	39	47	45	47	47	46	81	92	73	51	74
November	29.48	30.04	29.94	28.74	47.1	45.6	48.4	52.2	45.2	44.1	45.5	47.8	55.4	41.2	48.3	68	32	43	43	43	44	43	87	90	81	74	83
December	29.55	30.11	29.91	28.95	43.8	43.1	45.5	48.1	42.4	41.8	43.8	45.4	50.6	39.8	45.2	59	32	41	40	42	43	42	90	90	88	82	88
Year	29.50	30.05	29.94	28.74	52.2	47.0	55.1	63.4	48.4	45.4	49.2	52.8	65.7	44.6	55.2	106	17	45	44	44	44	44	79	89	69	54	73

ROSWell, N. MEX.
[$\phi=33^{\circ}24' N.$; $\lambda=104^{\circ}27' W.$]

January	26.49	30.18	26.92	26.02	35.9	31.1	43.2	49.0	32.1	28.2	36.0	39.8	53.5	26.6	40.0	73	16	27	24	27	29	27	72	76	56	50	64
February	26.29	29.95	26.71	25.98	37.9	30.6	46.3	52.8	32.3	27.1	38.0	41.2	55.6	27.2	41.4	72	7	24	21	28	27	25	58	67	50	39	54
March	26.28	29.89	26.66	25.78	44.5	36.7	56.6	62.1	35.8	31.2	41.4	44.1	64.5	33.5	49.0	80	22	24	23	21	20	22	45	58	27	22	38
April	26.26	29.83	26.61	25.88	54.7	47.1	64.8	69.3	47.5	43.1	51.1	52.0	72.0	45.1	58.6	87	31	40	39	38	35	38	62	73	43	35	53
May	26.28	29.83	26.70	25.96	62.0	53.5	74.6	81.6	50.0	47.2	55.5	56.8	83.4	51.9	67.7	98	43	38	40	39	35	38	45	65	32	22	41
June	26.28	29.78	26.68	26.07	71.8	63.4	84.6	89.5	59.2	57.1	63.7	63.8	92.4	61.7	77.0	103	56	50	53	50	46	50	50	70	35	27	46
July	26.42	29.94	26.68	26.23	73.4	66.5	85.6	90.1	62.9	60.5	67.2	66.8	93.3	64.8	79.0	100	58	57	57	58	54	56	58	73	40	30	50
August	26.37	29.89	26.60	26.14	71.9	66.3	81.5	83.7	64.8	62.8	67.4	66.7	87.9	65.3	76.6	94	61	61	61	61	58	60	71	84	51	44	62
September	26.40	29.96	26.76	26.13	63.6	57.9	74.3	78.0	58.6	54.9	61.2	61.6	82.3	55.8	69.0	84	39	55	53	53	51	53	75	83	50	43	63
October	26.38	29.97	26.70	26.01	54.4	49.3	65.0	67.5	49.5	46.3	53.8	54.3	73.2	46.4	59.8	86	35	45	43	45	44	44	72	82	51	45	63
November	26.38	30.00	26.91	25.93	46.2	39.1	60.8	63.0	39.7	35.6	47.8	48.0	70.4	35.1	52.8	84	22	32	31	35	33	33	58	74	40	34	51
December	26.39	30.04	26.71	25.88	39.2	34.2	49.2	52.4	35.1	31.8	41.0	42.5	60.0	30.4	45.2	81	19	30	29	32	32	31	70	81	54	49	64
Year	26.35	29.94	26.92	25.78	54.6	48.0	65.5	69.9	47.3	43.8	52.0	53.1	74.0	45.3	59.7	103	7	40	40	41	39	40	61	74	44	37	54

SACRAMENTO, CALIF.
Airport [$\phi=38^{\circ}31' N.$; $\lambda=121^{\circ}30' W.$] City [$\phi=38^{\circ}35' N.$; $\lambda=121^{\circ}30' W.$]

January	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
February	30.09	30.16	30.32	29.66	44.2	42.0	45.7	50.8	43.0	41.0	43.9	47.6	52.0	40.7	46.4	61	29	42	40	42	44	42	90	92	87	79	87
March	29.94	30.02	30.17	29.50	46.6	42.9	50.2	57.3	43.9	40.9	45.6	49.0	58.1	41.7	49.9	66	34	41	38	40	40	40	81	85	71	56	73
April	29.97	30.04	30.24	29.28	49.3	43.2	55.2	63.6	45.3	41.0	47.9	52.0	64.4	42.8	53.6	76	32	41	38	40	41	40	74	83	58	47	66
May	29.87	29.94	30.16	29.55	52.6	48.6	58.8	64.1	49.7	46.5	52.2	54.8	66.5	47.7	57.1	78	40	47	44	46	47	46	82	87	65	57	73
June	29.91	29.98	30.10	29.67	54.8	49.9	64.8	71.5	51.3	48.0	55.4	57.9	73.8	49.4	61.6	91	42	48	46	48	48	48	79	88	56	44	66
July	29.82	29.89	29.96	29.68	62.8	55.2	74.5	85.2	55.5	51.4	60.2	63.2	87.2	56.1	71.6	108	51	50	48	50	48	49	64	78	44	29	54
August	29.83	29.90	29.97	29.61	67.7	60.3	77.9	90.7	59.2	56.0	64.3	67.2	92.8	59.8	76.3	108	55	53	53	56	53	54	61	77	48	29	54
September	29.78	29.85	29.97	29.63	65.6	58.0	74.2	89.3	57.7	54.3	62.2	65.4	90.5	57.0	73.8	101	53	52	52	55	50	52	63	79	51	27	55
October	29.82	29.88	30.00	29.55	62.1	56.5	72.3	83.6	55.1	52.2	59.6	63.4	84.4	55.6	70.0	100	51	50	49	51	50	50	65	77	48	33	56
November	29.92	29.99	30.28	29.60	58.4	52.1	66.7	77.2	52.3	48.3	56.4	60.8	78.8	52.0	65.4	91	44	47	45	48	49	47	68	77	54	40	60
December	30.00	30.08	30.37	29.72	49.7	45.2	55.0	61.7	46.7	43.6	50.0	53.4	63.0	43.8	53.4	76	36	44	42	45	46	44	80	88	72	60	75
Year	30.11	30.18	30.32	29.71	44.5	42.1	45.7	52.2	43.4	41.2	44.0	47.8	52.0	40.3	46.2	65	33	42	40	42	44	42	92	94	89	79	88

ST. JOSEPH, MO.
Airport [$\phi=39^{\circ}46' N.$; $\lambda=94^{\circ}55' W.$] City [$\phi=39^{\circ}49' N.$; $\lambda=94^{\circ}51' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)			(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.11	30.19	29.66	28.62	23.0	20.4	33.2	29.1	22.3	19.8	29.5	27.2	37.5	19.3	28.4	62	—8	21	19	24	24	22	92	94	70	83	85
February	29.01	30.09	29.33	28.46	26.1	24.2	33.3	31.0	25.6	23.9	30.9	29.6	36.6	22.7	29.6	56	5	25	23	27	27	26	94	96	77	85	88
March	28.84	29.89	29.37	28.23	36.8	34.0	47.0	45.3	34.9	32.7	40.7	40.4	51.0	34.0	42.5	77	25	32	31	33	35	33	85	89	62	69	76
April	28.95	29.98	29.38	28.43	52.4	48.3	64.7	64.1	48.4	45.9	55.2	54.4	70.4	48.4	59.4	93	30	45	44	48	46	46	77	86	57	54	68
May	28.89	29.92	29.26	28.36	56.9	54.8	67.5	67.2	54.8	53.3	59.8	60.7	71.9	53.1	62.5	90	33	53	52	55	56	54	89	91	65	70	79
June	28.90	29.91	29.19	28.54	67.1	66.3	77.9	76.9	65.6	65.2	69.1	69.6	82.0	63.9	73.0	94	46	65	64	65	66	65	92	94	66	70	81
July	28.96	29.96	29.21	28.75	72.1	69.6	86.9	86.4	69.2	67.8	74.5	74.4	90.3	69.8	80.0	98	58	68	67	69	69	68	87	92	57	58	73
August	28.98	29.98	29.23	28.81	68.7	66.1	83.8	80.2	67.2	65.3	73.0	72.6	84.5	66.5	75.5	99	56	66	65	68	69	67	93	96	61	70	80
September	28.98	30.00	29.46	28.65	60.5	57.8	73.1	68.7	58.8	56.9	64.4	62.8	75.3	56.6	66.0	92	33	58	56	59	59	58	90	94	63	73	80
October	28.98	30.01	29.30	28.41	51.5	46.7	66.4	59.4	48.7	45.2	55.1	52.4	69.0	46.7	57.8	89	23	46	44	46	46	45	83	89	50	63	71
November	28.96	30.01	29.41	28.39	40.9	39.0	50.3	44.6	38.8	37.3	44.1	41.0	54.0	36.0	45.0	78	14	36	35	38	37	37	85	86	65	76	76
December	29.05	30.13	29.56	28.58	26.3	24.3	31.6	28.8	25.5	23.7	29.2	27.5	34.2	22.4	28.3	52	7	24	22	25	25	24	89	92	67	76	86
Year	28.97	30.01	29.66	28.23	48.5	46.0	59.6	56.8	46.6	44.8	52.1	51.0	63.1	45.0	54.0	99	—8	45	44	46	47	45	88	92	64	71	79

MONTHLY AND ANNUAL SUMMARIES

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ROSEBURG, OREG.

[H=479 ft.; H_b=510 ft.; H_i=45 ft.; H_r=41 ft.; H_a=76 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—														Thunderstorm			
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature				Minimum temp.		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above		95° or above	32° or below	0° or below
January	In. 4.19	In. 1.01	In. T	8.5	Mi. 3.2	nw.	Mi. 26	se.	0	0	7	24	17	12	2	0	0	24	16	13	15	0	0	0	7	0	0
February	2.42	.67	0.0	7.5	3.4	s.	19	sw.	0	2	10	16	15	14	0	0	0	15	4	4	7	0	0	0	6	0	0
March	1.05	.34	T	7.7	3.8	nw.	21	n.	0	1	12	18	16	7	6	0	1	13	5	10	11	0	0	0	6	0	0
April	1.94	.37	.0	7.7	4.1	nw.	27	sw.	0	1	10	19	13	11	0	0	3	8	5	2	5	0	0	0	0	0	1
May	3.38	1.07	.0	8.1	3.8	nw.	20	sw.	0	0	11	20	14	12	0	0	2	8	1	2	1	0	1	0	0	0	2
June	1.28	.93	.0	6.0	4.3	n.	17	w.	0	10	8	12	9	4	0	0	0	4	1	0	0	0	2	2	0	0	1
July	.16	.16	.0	3.9	4.4	n.	16	n.	0	14	13	4	2	2	0	0	0	1	0	0	0	0	7	4	0	0	0
August	T	T	.0	2.3	4.6	n.	20	n.	0	21	8	2	0	0	0	0	2	0	0	0	0	11	4	0	0	0	0
September	.09	.09	.0	3.0	3.7	n.	22	n.	0	18	7	5	1	1	0	0	0	1	0	0	0	5	0	0	0	0	1
October	.99	.36	.0	5.5	3.1	n.	18	sw.	0	11	8	12	8	5	0	0	0	9	11	9	7	0	0	0	0	0	0
November	10.68	1.96	.0	8.6	3.8	s.	23	sw.	0	0	7	23	20	19	0	0	1	15	6	8	7	0	0	0	1	0	0
December	11.95	2.56	T	8.8	3.6	s.	18	sw.	0	0	6	25	23	20	2	0	0	16	7	6	4	0	0	0	1	0	0
Year	38.13	2.56	T	6.5	3.8	n.	27	sw.	0	78	107	180	138	107	10	0	7	116	56	54	57	0	26	10	21	0	6

ROSWELL, N. MEX.

[H=3,568 ft.; H_b=3,566 ft.; H_i=75 ft.; H_r=69 ft.; H_a=85 ft.]

January	0.15	0.14	1.8	4.8	7.1	s.	33	w.	1	13	8	10	2	1	6	2	0	3	3	2	0	2	0	0	24	0	0
February	.21	.12	1.0	5.2	8.2	s.	34	nw.	2	9	8	11	3	2	3	1	0	0	0	0	0	0	0	20	0	0	
March	.17	.17	1.6	3.3	9.7	s.	45	w.	4	18	9	4	1	1	2	1	0	0	0	0	0	0	0	14	0	0	
April	2.41	1.13	4.2	4.9	9.6	s.	40	sw.	3	12	7	11	9	5	2	1	0	9	0	0	0	0	0	2	0	7	
May	.01	.01	.0	2.9	8.8	s.	26	s.	0	20	6	5	1	0	0	0	0	0	0	0	0	7	6	0	0	4	
June	.56	.25	.0	3.9	8.2	s.	29	nw.	0	14	12	4	7	5	0	0	0	0	0	0	0	18	13	0	0	5	
July	1.96	.65	.0	3.3	7.7	s.	37	nw.	2	20	8	3	9	6	0	0	1	0	0	0	0	23	13	0	0	15	
August	3.63	2.41	.0	4.8	7.2	s.	34	s.	1	9	16	6	9	5	0	0	0	1	1	0	0	14	0	0	0	7	
September	2.50	1.28	.0	3.6	6.8	s.	34	ne.	1	19	6	5	6	4	0	0	0	1	1	0	0	4	0	0	0	4	
October	1.39	.49	.0	3.8	7.0	s.	31	sw.	0	15	14	2	6	3	0	0	0	3	2	1	0	0	0	0	0	3	
November	.00	.00	.0	2.8	7.2	s.	34	nw.	1	20	8	2	0	0	0	0	0	1	2	1	1	0	0	14	0	0	
December	1.78	1.28	4.5	4.5	6.8	s.	31	ne.	0	13	9	9	4	3	4	4	0	5	5	2	1	1	0	21	0	0	
Year	14.77	2.41	13.1	4.0	7.9	s.	45	w.	15	182	111	72	57	35	17	9	1	23	14	6	2	3	66	32	95	0	45

SACRAMENTO, CALIF.

Airport [H=17 ft.; H_b=25 ft.; H_i=5 ft.; H_r=3 ft.; H_a=40 ft.] City [H=25 ft.; H_b=66 ft.; H_i=92 ft.; H_r=84 ft.; H_a=115 ft.]

January	4.68	1.85	0.0	7.8	6.6	n.	35	se.	1	3	8	20	13	9	0	0	1	10	10	7	5	0	0	0	4	0
February	2.98	1.23	.0	4.8	8.0	se.	27	nw.	0	12	6	10	8	8	0	0	0	1	0	0	0	0	0	0	0	0
March	3.31	1.47	2.0	3.9	7.6	n.	31	se.	0	17	8	6	5	5	1	1	0	0	0	0	0	0	0	1	0	0
April	4.58	.99	.0	6.0	8.5	s.	28	nw.	0	6	12	12	13	10	0	0	1	2	2	2	2	0	0	0	0	0
May	1.07	.70	.0	4.3	7.7	sw.	21	sw.	0	16	10	5	5	5	0	0	0	0	0	0	0	0	1	0	0	0
June	.00	.00	.0	1.5	7.7	s.	21	sw.	0	25	4	1	0	0	0	0	0	0	0	0	0	0	8	4	0	0
July	T	T	.0	.8	7.8	s.	24	sw.	0	29	2	0	0	0	0	0	0	0	0	0	0	0	18	12	0	0
August	.00	.00	.0	.8	7.6	s.	19	s.	0	28	3	0	0	0	0	0	0	0	0	0	0	0	20	10	0	0
September	.03	.03	.0	1.6	6.9	s.	21	n.	0	26	3	1	1	0	0	0	0	0	0	0	0	0	6	1	0	0
October	.27	.15	.0	2.7	5.9	s.	25	n.	0	21	7	3	4	2	0	0	0	1	1	1	1	0	3	0	0	0
November	2.22	.98	.0	5.8	6.5	n.	27	s.	0	9	11	10	9	6	0	0	0	2	1	1	0	0	0	0	0	0
December	3.16	.74	.0	8.3	6.2	se.	26	nw.	0	3	4	24	9	6	0	0	1	12	11	11	11	0	0	0	0	0
Year	22.30	1.85	2.0	4.0	7.2	s.	35	se.	1	195	78	92	67	51	1	1	3	28	25	22	19	0	56	27	5	0

ST. JOSEPH, MO.

Airport [H=809 ft.; H_b=817 ft.; H_i=4 ft.; H_r=3 ft.; H_a=51 ft.] City [H=957 ft.; H_b=967 ft.; H_i=11 ft.; H_r=3 ft.; H_a=49 ft.]

January	0.28	0.56	4.1	4.3	9.0	nw.	30	nw.	0	17	6	8	2	1	3	2	0	4	1	0	0	11	0	0	25	10	2
February	2.87	1.31	15.5	7.5	9.2	nw.	27	nw.	0	4	7	17	13	9	14	9	0	11	3	1	1	6	0	0	25	0	2
March	1.79	1.33	.2	6.1	11.6	nw.	36	w.	3	9	5	17	7	4	6	1	0	3	0	0	0	0	0	0	13	0	2
April	1.60	.51	.0	5.7	10.7	s.	27	w.	0	10	7	13	8	6	0	0	0	0	0	0	0	0	0	0	1	0	6
May	7.00	1.89	.0	5.9	9.0	s.	27	nw.	0	9	10	12	10	9	0	0	2	0	0	0	0	0	0	0	0	0	9
June	5.61	1.95	.0	6.2	8.0	e.	34	w.	2	6	12	12	16	13	0	0	0	2	0	0	0	0	6	0	0	14	
July	2.21	.99	.0	3.7	7.6	s.	21	se.	0	18	10	3	8	7	0	0	0	1	0	0	0	0	18	6	0	10	
August	4.76	1.22	.0	4.7	7.0	s.	20	n.	0	14	7	10	12	11	0	0	0	6	1	0	0	0	7	1	0	9	
September	6.50	2.84	.0	5.4	8.1	s.	25	nw.	0	12	6	12	11	7	0	0	0	3	1	1	1	5	0	0	0	5	
October	1.74	.88	.0	3.7	7.8	e.	22	nw.	0	19	5	7	6	3	0	0	0	3	1	1	1	0	0	0	2	0	
November	1.60	.90	2.3	5.6	10.1	s.	31	nw.	0	10	7	13	9	7	5	3	0	1	1	0	0	1	0	0	10	0	1
December	2.50	1.31	9.4	6.8	8.4	w.	27	nw.	0	10	5	16	6	6	9	5	0	5	1	1	1	10	0	0	28	0	1
Year	38.46	2.84	31.5	5.5	8.9	s.	36	w.	5	138	87	140	108	83	37	20	2	39	9	4	4	28	36	7	104	10	59

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

SAN DIEGO, CALIF.
Airport [$\phi=32^{\circ}44' N.$; $\lambda=117^{\circ}10' W.$]

Month	Pressure				Temperature ($^{\circ} F.$)													Moisture									
	Mean		Extremes		Mean													Extremes									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
	In. ($^{\circ}$)	In.	In. ($^{\circ}$)	In. ($^{\circ}$)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
January	30.01	30.10	30.20	29.76	53.5	50.2	61.5	63.5	50.1	47.0	53.1	54.9	68.3	47.1	57.7	80	36	47	44	46	48	46	80	80	59	59	69
February	29.89	29.98	30.09	29.64	52.0	48.6	60.2	60.8	48.7	45.6	51.8	52.8	65.3	45.8	55.6	73	36	45	42	44	46	44	79	80	57	59	69
March	29.92	30.01	30.17	29.60	54.1	50.0	62.9	63.6	50.1	46.3	53.1	54.2	68.0	47.8	57.9	76	44	46	42	44	46	44	76	75	53	56	65
April	29.88	29.98	30.05	29.70	57.9	55.0	62.8	64.2	54.4	52.6	56.4	56.9	67.3	53.1	60.2	80	46	52	51	52	51	51	80	86	67	64	74
May	29.88	29.97	29.99	29.76	59.7	57.6	66.4	67.5	56.2	54.2	58.4	59.9	70.6	56.0	63.3	87	51	54	51	53	54	53	81	80	62	63	72
June	29.81	29.91	29.94	29.68	61.6	60.7	66.6	67.1	58.5	57.7	60.7	60.3	70.6	59.2	64.9	75	56	56	56	57	56	56	84	84	71	68	77
July	29.85	29.95	29.96	29.73	65.1	63.9	72.7	73.9	62.3	61.7	65.3	65.2	76.5	62.6	69.6	84	58	60	60	61	60	61	86	88	68	63	76
August	29.80	29.90	29.96	29.69	65.9	64.9	72.8	73.2	62.8	62.2	65.3	65.5	76.6	63.5	70.0	81	58	61	61	61	61	61	84	86	67	65	76
September	29.80	29.89	29.95	29.67	63.9	62.5	70.7	71.6	60.7	59.5	62.8	63.9	74.9	60.6	67.8	83	56	59	58	58	60	59	83	85	65	66	75
October	29.87	29.97	30.08	29.53	62.1	59.8	70.1	70.2	58.9	56.6	61.2	61.3	74.4	57.5	66.0	90	48	57	54	56	56	56	83	83	62	62	73
November	29.91	30.00	30.17	29.71	57.0	53.8	65.6	65.4	54.0	50.6	57.2	58.3	70.9	51.0	61.0	86	42	52	48	51	54	51	83	80	61	67	73
December	29.99	30.09	30.19	29.75	53.6	50.9	60.6	62.3	50.5	47.7	52.7	55.1	67.2	47.8	57.5	77	42	48	44	46	49	47	81	80	60	64	71
Year	29.88	29.98	30.20	29.53	58.9	56.5	66.1	66.9	55.6	53.5	58.2	59.0	70.9	54.3	62.6	90	36	53	51	52	53	52	82	82	63	63	72

SALT LAKE CITY, UTAH
Airport [$\phi=40^{\circ}46' N.$; $\lambda=111^{\circ}57' W.$]

	($^{\circ}$)	($^{\circ}$)	($^{\circ}$)	($^{\circ}$)																							
January	25.93	30.38	26.17	25.36	18.7	17.8	22.6	24.7	18.1	17.4	21.6	23.4	29.7	11.2	20.4	50	-13	17	17	20	22	19	94	96	88	88	91
February	25.57	30.07	25.86	25.15	25.4	22.1	29.5	31.1	24.1	21.0	26.8	28.3	35.6	18.4	27.0	50	0	22	19	22	24	22	85	88	73	73	80
March	25.61	30.07	25.98	25.11	32.0	29.2	40.2	43.0	29.8	27.3	34.2	35.7	45.6	26.0	35.8	67	17	27	24	27	26	26	80	81	59	55	69
April	25.49	29.85	25.76	25.04	46.8	42.8	57.3	58.1	40.7	37.8	43.9	45.2	63.1	38.0	50.6	79	30	34	32	30	32	32	64	69	37	43	53
May	25.53	29.88	25.89	25.16	49.5	44.4	58.2	62.5	43.8	40.2	45.9	47.9	65.4	41.0	53.2	86	34	39	36	35	35	36	68	75	46	40	57
June	25.53	29.83	25.89	25.20	59.6	52.0	71.2	77.8	50.2	45.9	53.1	55.0	79.3	50.2	64.8	92	42	43	40	38	37	40	55	67	33	25	45
July	25.63	29.87	25.83	25.45	71.9	65.8	86.6	91.0	57.4	54.6	61.5	61.6	93.6	62.8	78.2	101	55	48	47	46	42	46	44	52	26	20	36
August	25.58	29.84	25.72	25.34	68.5	63.0	82.7	87.7	54.0	51.7	58.6	58.7	90.0	58.8	74.4	100	44	43	43	42	38	42	42	50	25	19	34
September	25.61	29.91	25.96	25.34	58.6	52.9	72.9	77.7	47.1	44.6	52.7	53.4	79.4	49.1	64.2	92	32	37	37	36	33	36	46	56	28	21	38
October	25.66	30.04	25.89	25.25	48.2	44.4	59.3	61.9	41.7	39.5	46.9	47.8	65.5	39.9	52.7	83	28	35	34	36	35	35	62	70	44	40	54
November	25.64	30.02	26.10	25.02	37.9	35.9	44.4	43.9	33.8	32.0	37.0	37.8	51.1	30.0	40.6	69	21	29	27	29	31	29	73	73	55	62	66
December	25.70	30.18	26.06	25.21	32.0	30.2	34.8	35.8	29.8	28.7	31.2	32.4	40.1	26.4	33.2	58	16	26	26	26	28	27	80	85	71	74	78
Year	25.62	29.99	26.17	25.02	45.8	41.7	55.0	57.9	39.2	36.7	42.8	43.9	61.5	37.6	49.6	101	-13	33	32	32	32	32	66	72	49	47	58

SAN ANTONIO, TEX.
Airport [$\phi=29^{\circ}32' N.$; $\lambda=98^{\circ}28' W.$]

January	29.47	30.22	29.94	28.98	45.9	41.3	56.6	56.2	41.7	38.8	47.1	46.5	62.4	38.0	50.2	82	23	37	36	37	36	36	72	80	52	51	64
February	29.28	30.02	29.68	28.78	50.9	46.7	57.3	59.0	47.0	44.2	49.7	50.5	63.6	44.1	53.8	81	30	42	41	42	42	42	74	82	59	57	68
March	29.21	29.94	29.67	28.79	55.3	50.6	68.6	69.9	49.6	47.0	54.7	54.5	75.1	47.8	61.4	90	33	43	43	41	40	42	67	77	47	37	55
April	29.21	29.93	29.64	28.76	64.0	62.5	74.0	75.5	61.5	60.9	66.0	66.0	78.9	60.4	69.6	88	44	60	60	61	60	60	87	91	66	62	76
May	29.20	29.91	29.48	28.89	70.7	68.5	80.1	81.5	67.7	66.6	70.5	70.8	85.2	66.7	76.0	93	54	66	66	66	66	66	86	91	63	61	75
June	29.13	29.84	29.43	28.88	77.0	74.0	88.4	90.3	72.8	71.6	74.8	74.6	94.2	72.6	83.4	105	64	71	71	69	68	70	82	90	54	50	69
July	29.31	30.02	29.49	28.16	75.5	73.1	86.3	85.7	72.5	71.6	74.4	74.3	90.6	71.9	81.2	96	65	71	71	69	69	70	87	93	58	61	75
August	29.21	29.92	29.39	28.35	77.0	73.5	87.2	87.8	73.0	71.9	74.4	74.1	92.5	72.9	82.7	96	66	71	71	69	68	70	83	93	56	54	72
September	29.27	29.98	29.59	29.06	69.9	67.1	81.5	80.8	66.6	65.4	69.5	69.0	85.9	65.3	75.6	93	41	64	64	63	62	64	84	90	55	55	71
October	29.27	29.99	29.53	28.89	64.3	61.5	75.0	74.0	61.3	59.4	64.9	65.2	80.2	59.0	69.6	88	48	59	58	59	60	59	84	89	60	64	74
November	29.33	30.06	29.85	28.92	57.9	54.8	68.3	67.0	54.7	52.4	58.9	58.2	74.7	51.3	63.0	86	32	52	50	51	51	51	81	84	57	58	70
December	29.33	30.07	29.65	28.83	48.8	45.7	62.1	59.8	45.7	44.0	53.4	52.0	68.7	41.4	55.0	86	26	42	42	46	45	44	79	87	57	60	71
Year	29.27	29.99	29.94	28.35	63.1	59.9	73.8	74.0	59.5	57.8	63.2	63.0	79.3	57.6	68.5	105	23	56	56	56	56	56	80	87	56	56	70

ST LOUIS, MO.
[$\phi=38^{\circ}38' N.$; $\lambda=90^{\circ}12' W.$]

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TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

SAN DIEGO, CALIF.

Airport [$H=87$ ft.; $H_b=28$ ft.; $H_t=20$ ft.; $H_r=16$ ft.; $H_a=55$ ft.]

Month	Precipitation			Wind					Number of days—																		
	Total	Maximum in 24 hours	Total snow/fall	Cloudiness 0 to 10	By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below
January	<i>In.</i> 0.21	<i>In.</i> 0.22	<i>In.</i> 0.0		<i>Mi.</i> 4.8	n.	<i>Mi.</i> 20	sw.	0	11	8	12	2	1	0	0	0	11	1	1	0	0	0	0	0	0	0
February	1.06	0.44	.0	5.5	6.6	ne.	24	sw.	0	9	9	10	8	4	0	0	1	4	1	0	0	0	0	0	0	0	2
March	1.91	1.44	.0	3.9	6.8	w.	34	sw.	1	17	7	7	4	4	0	0	0	4	2	1	0	0	0	0	0	0	0
April	1.40	0.37	.0	6.4	7.4	w.	22	s.	0	5	12	13	14	8	0	0	0	6	1	1	0	0	0	0	0	0	0
May	.11	.10	.0	4.4	7.5	w.	18	w.	0	14	11	6	2	1	0	0	0	4	1	1	0	0	0	0	0	0	0
June	.01	.01	.0	6.5	7.0	s.	16	s.	0	0	20	10	1	0	0	0	0	7	1	0	0	0	0	0	0	0	0
July	.00	.00	.0	4.0	6.8	w.	19	s.	0	14	16	1	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0
August	T	T	.0	3.7	6.9	w.	15	w.	0	21	6	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	1
September	.00	.00	.0	3.6	6.5	w.	17	w.	0	16	11	3	0	0	0	0	0	8	5	2	3	0	0	0	0	0	0
October	.27	.26	.0	4.2	6.6	s.	20	s.	0	14	10	7	2	1	0	0	0	8	2	0	1	0	2	0	0	0	0
November	.27	.16	.0	3.9	5.0	w.	19	w.	0	16	7	7	3	2	0	0	0	12	7	0	3	0	0	0	0	0	0
December	.69	.54	.0	3.6	5.2	n.	26	sw.	0	16	10	5	6	4	0	0	0	9	4	1	2	0	0	0	0	0	0
Year	5.93	1.44	.0	4.6	6.4	w.	34	sw.	1	153	127	85	42	25	0	0	1	81	26	7	9	0	2	0	0	0	3

SALT LAKE CITY, UTAH

Airport [$H=4,222$ ft.; $H_b=4,227$ ft.; $H_t=32$ ft.; $H_r=31$ ft.; $H_a=58$ ft.]

January	1.18	0.32	12.6	6.8	5.1	se.	25	s.	0	6	11	14	9	8	16	9	0	24	9	13	14	20	0	0	31	8	0
February	1.17	.42	8.4	6.1	6.9	se.	40	nw.	1	8	6	14	11	7	13	9	0	10	3	4	4	7	0	0	26	1	1
March	1.54	.59	11.4	5.4	7.7	se.	34	nw.	1	9	11	11	8	8	8	6	0	3	1	1	1	0	0	0	28	0	0
April	1.33	.53	T	6.6	10.7	se.	42	se.	4	2	19	9	8	7	5	2	1	1	0	0	0	0	0	0	4	0	3
May	3.16	2.03	T	5.9	9.6	se.	43	nw.	4	9	9	13	12	8	8	4	0	1	1	0	0	0	0	0	0	0	3
June	.47	.27	.0	3.2	8.7	se.	30	sw.	0	17	11	2	3	2	0	0	1	0	0	0	0	0	2	0	0	0	6
July	.37	.33	.0	3.1	9.8	se.	39	sw.	4	23	6	2	4	2	0	0	0	0	0	0	0	0	27	14	0	10	
August	.20	.13	.0	2.4	9.8	se.	33	s.	1	22	7	2	5	1	0	0	0	0	0	0	0	18	7	0	0	5	
September	.13	.13	.0	2.8	9.8	se.	34	sw.	1	22	5	3	2	2	0	0	0	0	0	0	0	2	0	0	0	3	
October	.57	.17	T	4.3	8.2	se.	28	s.	0	16	2	13	7	6	4	1	0	0	0	0	0	0	0	4	0	1	
November	1.68	.61	1.8	6.2	10.0	se.	43	w.	4	8	6	16	12	7	12	7	0	6	0	0	0	0	0	23	0	0	
December	1.48	.73	2.1	7.9	7.0	se.	28	se.	0	4	4	23	9	8	14	5	0	12	5	4	3	6	0	0	29	0	1
Year	13.28	2.03	36.3	5.1	8.6	se.	43	nw.	20	146	97	122	90	66	76	39	3	57	18	22	22	33	49	21	145	9	33

SAN ANTONIO, TEX.

Airport [$H=574$ ft.; $H_b=582$ ft.; $H_t=8$ ft.; $H_r=28$ ft.; $H_a=63$ ft.]

January	0.13	0.08	0.0	5.6	8.3	ne.	31	nw.	0	11	6	14	4	1	0	0	0	11	1	2	2	0	0	0	10	0	0
February	2.01	.97	.0	7.8	8.9	ne.	30	nw.	0	4	4	20	11	9	0	0	0	15	6	2	3	0	0	0	2	0	0
March	.29	.20	.0	5.3	10.3	se.	38	nw.	1	12	6	13	3	3	0	0	0	11	1	1	0	0	0	0	0	0	0
April	3.48	1.95	.0	7.3	10.0	se.	45	n.	1	4	7	19	8	6	0	0	0	10	2	2	2	0	0	0	0	0	6
May	2.19	.94	.0	6.9	9.4	se.	31	w.	0	3	14	14	8	5	0	0	0	9	0	0	0	0	8	0	0	0	5
June	1.95	.73	.0	5.2	8.6	se.	34	w.	2	3	25	2	8	7	0	0	0	6	0	0	0	0	26	15	0	0	5
July	8.19	6.32	.0	6.0	7.1	se.	31	n.	0	4	19	8	12	7	0	0	0	4	0	0	0	0	25	2	0	0	10
August	1.88	1.14	.0	6.4	7.7	se.	63	ne.	1	2	20	9	5	4	0	0	0	4	0	0	0	0	27	2	0	0	3
September	7.67	4.80	.0	6.1	6.4	s.	28	ne.	0	4	14	12	9	7	0	0	0	6	1	0	0	0	9	0	0	0	6
October	9.56	5.29	.0	5.5	6.8	n.	27	ne.	0	9	12	10	9	7	0	0	0	8	3	2	0	0	0	0	0	0	3
November	.47	.37	.0	4.8	8.4	s.	29	ne.	0	12	8	10	4	2	0	0	0	13	3	2	2	0	0	0	2	0	1
December	.64	.33	.0	4.8	6.3	n.	24	ne.	0	14	7	10	7	3	0	0	0	9	6	4	5	0	0	0	3	0	0
Year	38.46	6.32	.0	6.0	8.2	se.	63	ne.	5	82	142	141	88	61	0	0	0	106	23	15	14	0	95	19	17	0	40

ST. LOUIS, MO.

[$H=568$ ft.; $H_b=568$ ft.; $H_t=179$ ft.; $H_r=172$ ft.; $H_a=303$ ft.]

January	1.44	1.07	0.6	4.5	12.5	nw.	32	w.	1	15	5	11	6	4	6	2	0	3	3	1	1	9	0	0	18	4	3
February	2.54	.81	9.3	6.5	11.5	nw.	30	nw.	0	6	9	13	12	9	15	8	0	7	4	1	0	5	0	0	23	0	3
March	1.92	.81	1.8	6.2	13.7	nw.	44	sw.	5	8	8	15	13	8	6	3	0	9	1	1	1	0	0	0	6	0	2
April	2.19	.85	.0	4.3	13.8	s.	37	sw.	4	14	9	7	5	5	0	0	1	6	2	2	2	0	0	0	0	0	3
May	4.99	1.16	.0	5.1	12.8	sw.	43	sw.	6	9	13	9	12	12	0	0	3	4	1	1	1	0	2	0	0	0	9
June	7.24	2.74	.0	6.5	9.4	s.	40	se.	3	5	13	12	16	13	0	0	0	15	2	1	1	0	9	0	0	0	17
July	7.92	6.94	.0	4.0	10.3	sw.	35	sw.	1	16	12	3	11	7	0	0	0	4	0	0	0	17	6	0	0	10	
August	3.60	1.74	.0	4.5	9.4	sw.	24	s.	0	15	7	9	6	4	0	0	0	4	0	0	0	3	2	0	0	5	
September	1.99	.91	.0	3.8	10.9	sw.	30	sw.	0	16	7	7	6	5	0	0	0	4	1	1	1	0	5	0	0	3	
October	2.30	2.02	.0	4.5	11.0	sw.	38	sw.	4	14	8	9	6	5	0	0	0	5	1	1	0	0	0	0	1	0	2
November	4.40	1.59	T	5.8	14.5	sw.	44	sw.	5	10	7	13	12	10	2	0	0	15	2	1	1	0	0	0	5	0	2
December	4.61	2.96	10.2	7.0	11.3	nw.	30	sw.	0	6	9	16	13	8	10	6	0	13	5	4	3	7	0	0	21	0	0
Year	45.14	6.94	21.9	5.2	11.8	sw.	44	sw.	29	134	107	124	118	90	39	19	4	89	22	14	11	21	36	8	74	4	56

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

SANDUSKY, OHIO
[$\phi=41^{\circ} 25' N.$; $\lambda=82^{\circ} 40' W.$]

Month	Pressure				Temperature ($^{\circ} F.$)													Moisture									
	Mean		Extremes		Mean													Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
	In.	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
January	29.78	29.78	29.78	28.49	—	—	—	—	—	—	—	—	35.0	21.1	28.0	55	—5	—	—	—	—	—	—	—	—	—	—
February	29.78	29.78	29.78	28.65	—	—	—	—	—	—	—	—	30.7	18.9	24.8	47	1	—	—	—	—	—	—	—	—	—	—
March	29.56	29.56	29.56	28.16	—	—	—	—	—	—	—	—	47.5	32.4	40.0	71	24	—	—	—	—	—	—	—	—	—	—
April	29.66	29.66	29.66	28.91	—	—	—	—	—	—	—	—	64.0	42.8	53.4	90	33	—	—	—	—	—	—	—	—	—	—
May	29.67	29.67	29.67	28.91	—	—	—	—	—	—	—	—	70.9	53.5	62.2	93	42	—	—	—	—	—	—	—	—	—	—
June	29.57	29.57	29.57	28.96	—	—	—	—	—	—	—	—	78.3	62.3	70.6	93	51	—	—	—	—	—	—	—	—	—	—
July	29.49	29.49	29.49	29.09	—	—	—	—	—	—	—	—	84.7	66.2	75.4	100	55	—	—	—	—	—	—	—	—	—	—
August	29.70	29.70	29.70	29.08	—	—	—	—	—	—	—	—	80.8	63.7	72.2	89	49	—	—	—	—	—	—	—	—	—	—
September	29.84	29.84	29.84	29.02	—	—	—	—	—	—	—	—	74.9	55.1	65.0	92	35	—	—	—	—	—	—	—	—	—	—
October	29.71	29.71	29.71	28.70	—	—	—	—	—	—	—	—	63.8	47.0	55.4	83	26	—	—	—	—	—	—	—	—	—	—
November	29.83	29.83	29.83	28.80	—	—	—	—	—	—	—	—	50.7	35.2	43.0	71	22	—	—	—	—	—	—	—	—	—	—
December	29.91	29.91	29.91	28.64	—	—	—	—	—	—	—	—	32.4	21.2	26.8	54	5	—	—	—	—	—	—	—	—	—	—
Year	29.91	29.91	29.91	28.16	—	—	—	—	—	—	—	—	59.5	43.3	51.4	100	—5	—	—	—	—	—	—	—	—	—	—

SAN FRANCISCO, CALIF.
[$\phi=37^{\circ} 47' N.$; $\lambda=122^{\circ} 25' W.$]

January	29.96	30.13	30.17	29.54	—	48.5	—	54.2	—	46.1	—	49.2	55.4	46.9	51.2	62	39	—	43	—	44	—	44	—	83	—	70	77
February	29.85	30.02	30.07	29.44	—	49.7	—	56.6	—	46.3	—	49.3	58.5	48.2	53.4	69	43	—	42	—	42	—	42	—	74	—	60	68
March	29.87	30.04	30.10	29.07	—	50.2	—	58.6	—	46.0	—	50.2	61.7	48.8	55.2	73	38	—	41	—	42	—	42	—	77	—	57	66
April	29.79	29.96	30.05	29.48	—	51.9	—	57.1	—	48.6	—	51.5	60.9	50.3	55.6	74	47	—	45	—	47	—	46	—	79	—	69	74
May	29.86	30.03	30.00	29.63	—	52.3	—	59.6	—	49.4	—	53.0	62.3	51.4	56.8	88	47	—	47	—	48	—	49	—	82	—	66	74
June	29.78	29.95	29.91	29.64	—	53.5	—	61.1	—	51.3	—	55.0	64.8	52.4	58.6	88	50	—	49	—	50	—	50	—	86	—	69	77
July	29.81	29.98	29.92	29.65	—	55.3	—	62.2	—	54.2	—	57.8	64.7	54.7	59.7	70	51	—	53	—	55	—	54	—	94	—	77	85
August	29.75	29.92	29.89	29.64	—	54.9	—	60.2	—	53.9	—	56.7	62.9	54.1	58.5	67	51	—	53	—	54	—	54	—	94	—	81	87
September	29.77	29.94	29.96	29.55	—	56.1	—	61.7	—	54.3	—	57.1	65.5	55.0	60.2	93	53	—	53	—	54	—	53	—	89	—	77	83
October	29.85	30.02	30.16	29.43	—	55.2	—	62.4	—	53.1	—	56.2	68.3	53.5	60.9	82	51	—	51	—	52	—	52	—	88	—	70	79
November	29.90	30.07	30.23	29.64	—	52.5	—	58.8	—	49.1	—	52.4	61.6	50.4	56.0	75	46	—	47	—	47	—	47	—	83	—	68	75
December	29.99	30.16	30.21	29.63	—	48.9	—	54.6	—	47.1	—	50.0	56.8	47.4	52.1	68	43	—	45	—	46	—	46	—	87	—	73	80
Year	29.85	30.02	30.23	29.07	—	52.4	—	58.9	—	50.0	—	53.2	62.0	51.1	56.5	93	38	—	47	—	48	—	48	—	85	—	70	77

SAN JUAN, P. R.
[$\phi=18^{\circ} 28' N.$; $\lambda=66^{\circ} 07' W.$]

January	29.93	30.02	30.08	29.76	—	75.5	80.2	—	70.6	72.5	—	81.6	71.5	76.6	87	67	—	68	69	—	69	—	79	69	—	74	74
February	29.84	29.93	30.01	29.64	—	74.3	80.6	—	69.8	72.0	—	82.1	71.5	76.8	91	67	—	68	68	—	68	—	80	67	—	73	73
March	29.88	29.97	29.99	29.73	—	77.4	80.8	—	71.9	73.1	—	83.1	72.4	77.8	89	69	—	70	70	—	70	—	77	70	—	74	74
April	29.87	29.95	30.00	29.72	—	78.4	81.6	—	72.9	73.3	—	83.0	73.4	78.2	91	69	—	70	70	—	70	—	77	69	—	73	73
May	29.86	29.94	29.97	29.74	—	80.6	82.4	—	75.1	75.9	—	84.2	75.1	79.6	91	73	—	73	73	—	73	—	78	75	—	76	76
June	29.91	29.99	30.00	29.78	—	81.6	82.7	—	76.3	76.7	—	84.6	76.1	80.4	91	73	—	74	74	—	74	—	79	77	—	78	78
July	29.94	30.02	30.05	29.80	78.8	82.1	83.2	80.8	75.4	76.7	77.6	84.9	76.5	80.7	92	70	74	75	76	75	75	75	86	78	78	83	81
August	29.89	29.97	30.01	29.77	78.5	81.9	83.9	81.3	75.2	76.4	77.6	84.6	76.2	80.9	91	71	74	74	75	74	74	74	86	78	76	80	80
September	29.86	29.94	29.99	29.73	77.7	81.2	84.2	80.5	74.9	76.3	76.8	86.1	75.3	80.7	93	70	74	74	74	74	74	74	88	80	73	82	81
October	29.79	29.87	29.92	29.70	77.1	80.7	84.6	80.5	74.6	76.0	76.9	87.4	75.3	81.4	92	73	74	74	74	75	74	74	89	81	71	82	81
November	29.73	29.81	29.94	29.57	77.0	78.6	82.6	79.1	74.0	74.6	76.4	83.9	74.7	79.3	89	72	73	73	74	73	73	73	87	83	76	82	82
December	29.90	29.99	30.03	29.70	76.5	77.3	80.7	78.4	72.5	72.9	74.2	82.4	73.2	77.8	90	69	71	71	72	71	71	71	83	81	74	78	79
Year	29.87	29.95	30.08	29.57	77.6	79.1	82.3	80.1	74.4	74.1	75.2	84.1	74.3	79.2	93	67	73	72	72	74	72	74	86	79	73	81	78

SAULT STE. MARIE, MICH.
Airport [$\phi=46^{\circ} 28' N.$; $\lambda=84^{\circ} 21' W.$]

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TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

SANDUSKY, OHIO

[H=603 ft.; H_b=629 ft.; H_i=5 ft.; H_r=3 ft.; H_a=67 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.		Thunderstorm	
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below		0° or below
January	In. 1.09	In. 0.51	In. 2.1	7.2	Mi. 10.8	sw.	34	sw.	2	6	5	20	10	5	11	6	0	6	5	5	0	9	0	0	27	3	0
February	2.70	.97	11.4	7.2	9.8	nw.	26	nw.	0	4	8	16	16	12	17	13	0	1	1	1	0	16	0	0	25	0	0
March	2.34	.69	3.2	7.9	11.3	sw.	34	sw.	2	4	4	23	17	11	9	8	0	3	3	2	0	0	0	0	18	0	1
April	2.70	.94	.2	5.3	9.6	sw.	27	sw.	0	10	9	11	8	8	1	1	0	2	1	1	0	0	0	0	0	0	0
May	3.81	1.44	.0	6.9	8.6	sw.	24	nw.	0	5	9	17	14	12	0	0	0	0	0	0	0	2	0	0	0	0	0
June	4.21	1.59	.0	6.1	7.4	ne.	20	nw.	0	3	19	8	11	9	0	0	0	1	0	0	0	0	3	0	0	0	0
July	4.91	3.14	.0	4.4	7.6	sw.	24	nw.	0	12	14	5	11	11	0	0	0	0	0	0	0	0	5	3	0	0	10
August	3.30	1.06	.0	5.5	6.9	sw.	30	sw.	0	7	13	11	11	8	0	0	0	3	2	2	2	0	0	0	0	0	0
September	2.13	1.32	.0	5.3	8.4	sw.	23	sw.	0	10	7	13	12	7	0	0	0	0	0	0	0	0	1	0	0	0	0
October	1.48	.42	T	5.6	8.8	sw.	31	sw.	0	12	5	14	10	7	1	0	0	2	1	1	0	0	0	0	3	0	0
November	4.05	1.26	3.0	7.5	11.1	sw.	30	nw.	0	4	6	20	14	10	7	2	0	1	1	1	0	1	0	0	11	0	0
December	2.43	.66	8.9	7.6	10.4	sw.	35	sw.	1	6	4	21	16	11	18	10	0	2	2	2	2	14	0	0	27	0	0
Year	35.15	3.14	28.8	6.4	9.2	sw.	35	sw.	5	83	103	179	150	111	64	40	0	21	16	15	4	40	11	3	111	3	34

SAN FRANCISCO, CALIF.

[H=124 ft.; H_b=155 ft.; H_i=112 ft.; H_r=104 ft.; H_a=132 ft.]

January.....	4.76	18.0	0.0	6.7	6.7	n.	29	se.	0	7	6	18	13	9	0	0	0	9	3	1	0	0	0	0	0	0	0
February.....	4.27	15.6	.0	5.3	7.4	w.	23	w.	0	10	6	12	10	7	0	0	0	0	0	0	0	0	0	0	0	0	0
March.....	2.62	1.21	.0	4.5	7.8	w.	34	se.	1	14	8	9	5	4	0	0	1	4	1	1	1	0	0	0	0	0	0
April.....	3.65	.75	.0	6.9	9.6	w.	32	s.	1	7	5	18	11	10	0	0	0	2	0	0	0	0	0	0	0	0	0
May.....	1.11	.55	.0	5.3	10.5	w.	31	w.	0	7	14	10	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0
June.....	T	T	.0	2.5	11.6	w.	33	w.	2	20	7	3	0	0	0	0	0	5	4	0	0	0	0	0	0	0	0
July.....	.01	.01	.0	4.9	11.2	w.	29	w.	0	7	20	4	1	0	0	0	0	13	7	1	1	0	0	0	0	0	0
August.....	T	T	.0	6.7	10.6	w.	27	w.	0	3	15	13	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0
September.....	.18	.18	.0	4.9	9.7	w.	25	w.	0	12	9	9	1	1	0	0	0	4	0	0	0	0	1	0	0	0	0
October.....	.95	.51	.0	4.1	7.3	w.	23	w.	0	17	8	6	4	3	0	0	0	16	2	0	0	0	0	0	0	0	0
November.....	4.45	2.44	.0	5.7	6.6	w.	26	w.	0	8	12	10	12	8	0	0	1	11	3	1	2	0	0	0	0	0	0
December.....	2.87	1.21	.0	6.1	5.9	n.	26	sw.	0	8	10	13	9	6	0	0	0	10	3	0	0	0	0	0	0	0	0
Year.....	24.87	2.44	.0	5.3	8.8	w.	34	se.	4	120	120	125	73	53	0	0	2	88	23	4	5	0	1	0	0	0	0

SAN JUAN, P. R.

[H=47 ft.; H_b=82 ft.; H_i=10 ft.; H_r=3 ft.; H_a=54 ft.]

January.....	6.80	3.63	0.0	5.7	11.0	e.	34	nw.	1	3	21	7	21	14	0	0	0	0	0	0	0	0	0	0	0	0	2
February.....	.81	.28	.0	4.9	11.0	ne.	37	n.	2	8	14	6	9	4	0	0	0	0	0	0	0	1	0	0	0	0	0
March.....	1.44	.99	.0	4.8	10.5	e.	28	e.	0	7	23	1	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0
April.....	7.18	1.75	.0	6.6	11.0	e.	30	e.	0	1	19	10	19	17	0	0	0	0	0	0	0	0	4	0	0	0	1
May.....	4.06	1.32	.0	6.6	9.6	e.	27	e.	0	0	22	9	13	12	0	0	0	0	0	0	0	2	0	0	0	0	7
June.....	7.12	1.46	.0	6.9	11.0	e.	27	e.	0	2	13	15	20	16	0	0	0	0	0	0	0	1	0	0	0	0	6
July.....	7.45	2.07	.0	6.5	13.6	e.	31	e.	0	0	21	10	23	16	0	0	0	0	0	0	0	1	0	0	0	0	8
August.....	6.05	1.72	.0	5.9	12.0	e.	44	e.	2	2	22	7	18	14	0	0	0	0	0	0	0	3	0	0	0	0	8
September.....	4.21	1.45	.0	5.9	8.8	e.	28	e.	0	4	18	8	13	10	0	0	0	0	0	0	0	5	0	0	0	0	11
October.....	6.39	2.51	.0	6.2	7.0	s.	31	e.	0	2	23	6	17	14	0	0	0	0	0	0	0	4	0	0	0	0	14
November.....	8.77	2.56	.0	6.9	9.9	ne.	35	e.	1	2	15	13	21	16	0	0	0	0	0	0	0	0	0	0	0	0	7
December.....	3.02	.45	.0	5.4	13.8	e.	30	ne.	0	2	27	2	18	15	0	0	0	0	0	0	0	0	0	0	0	0	0
Year.....	63.30	3.63	.0	6.0	10.8	e.	44	e.	6	33	238	94	199	153	0	0	0	0	0	0	0	21	0	0	0	0	64

SAULT STE. MARIE, MICH.

Airport [H=721 ft.; H_b=724 ft.; H_i=11 ft.; H_r=8 ft.; H_a=52 ft.]

January.....	1.42	0.31	13.5	8.3	11.4	e.	39	nw.	3	2	7	22	16	11	22	14	0	8	1	0	0	22	0	0	31	10	0
February.....	.82	.63	7.9	7.1	10.8	nw.	34	w.	1	6	5	17	7	4	17	7	0	4	1	1	1	25	0	0	29	9	0
March.....	2.99	1.19	19.5	7.3	12.7	nw.	50	nw.	5	5	7	19	16	13	21	15	0	15	3	3	2	10	0	0	28	0	0
April.....	.90	.26	2.6	5.1	11.3	nw.	35	sw.	4	10	8	12	6	5	3	1	0	9	2	0	0	0	0	0	18	0	4
May.....	2.46	.48	T	6.9	11.2	se.	47	sw.	3	3	12	16	12	11	3	0	0	18	9	5	3	0	0	0	4	0	3
June.....	2.69	1.93	.0	6.1	8.4	se.	26	nw.	0	10	5	15	10	7	0	0	0	14	6	5	3	0	0	0	0	2	0
July.....	1.47	.39	.0	6.4	9.9	nw.	35	nw.	3	7	10	14	14	10	0	0	0	18	11	8	6	0	0	0	0	0	6
August.....	2.53	1.56	.0	6.5	9.8	e.	41	w.	3	7	8	16	7	5	0	0	0	22	5	4	2	0	0	0	0	4	6
September.....	5.62	1.22	.6	7.5	9.4	e.	36	w.	4	3	7	20	16	14	5	1	0	21	8	6	8	0	0	0	0	0	3
October.....	2.68	.72	5.3	6.1	10.6	e.	37	s.	3	9	8	14	11	11	6	4	0	17	4	4	4	0	0	0	26	0	0
November.....	3.61	.97	12.7	7.5	11.8	se.	44	nw.	7	3	12	15	14	12	16	9	0	13	5	3	3	8	0	0	31	7	0
December.....	3.11	.63	33.7	8.6	12.5	e.	37	nw.	3	1	6	24	25	19	27	24	0	3	1	0	0	28	0	0	0	0	0
Year.....	30.30	1.93	95.8	7.0	10.8	e.	50	nw.	39	66	95	204	154	122	120	75	0	162	56	39	32	93	1	0	175	26	28

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

SAVANNAH, GA.

Airport [$\phi=32^{\circ}01' N.$; $\lambda=81^{\circ}08' W.$] City [$\phi=32^{\circ}05' N.$; $\lambda=81^{\circ}05' W.$]

Month	Pressure				Temperature (° F.)														Moisture																			
	Mean		Extremes		Mean														Extremes										Mean									
																													Dew point									
	Station level	Sea level	Station level		Dry bulb				Wet bulk				Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly											
Maximum			Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.																											
	In. (1)	In.	In. (1)	In. (1)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	° (2)	% (2)	% (2)	% (2)	% (2)	% (2)						
January	30.06	30.14	30.46	29.54	45.5	42.2	58.5	50.3	42.1	39.9	48.2	44.9	61.9	41.3	51.6	75	21	38	37	36	38	37	74	82	46	65	67											
February	29.95	30.02	30.40	29.20	42.6	40.1	53.0	48.0	39.8	37.7	43.9	42.6	56.7	39.2	48.0	70	28	36	34	31	35	34	78	78	46	63	66											
March	29.91	29.98	30.20	29.08	53.2	51.5	67.1	59.2	49.6	48.5	54.8	52.1	69.8	50.5	60.2	84	36	46	45	42	44	44	77	79	45	62	66											
April	30.03	30.10	30.30	29.62	58.3	58.9	76.6	66.6	54.8	54.9	58.9	58.3	79.3	57.0	68.1	93	44	52	52	44	52	50	80	78	34	61	63											
May	29.98	30.04	30.14	29.74	66.7	69.4	81.4	73.3	64.3	65.1	67.7	66.7	83.6	65.8	74.7	90	55	63	63	59	63	62	88	79	51	71	72											
June	29.91	29.98	30.11	29.70	73.6	76.9	86.7	80.0	71.7	73.0	74.6	74.2	89.6	72.6	81.1	96	69	71	71	70	72	71	91	83	59	76	77											
July	29.99	30.06	30.18	29.76	76.9	79.1	92.1	82.8	73.9	74.3	77.1	75.5	94.5	74.9	84.7	103	70	73	72	71	72	72	87	80	53	73	76											
August	29.99	30.05	30.18	29.84	75.2	75.2	88.4	80.0	72.2	72.4	75.0	73.9	90.2	73.3	81.8	96	63	71	71	69	71	71	86	86	56	76	76											
September	29.97	30.03	30.26	29.69	72.3	70.5	84.8	77.2	69.7	68.1	71.8	71.5	88.3	69.3	78.8	98	51	68	67	66	69	68	87	89	54	76	77											
October	29.95	30.02	30.28	29.68	61.7	59.6	78.8	69.8	59.3	57.8	64.1	63.6	81.3	59.2	70.3	87	44	58	56	55	60	57	87	89	45	72	73											
November	30.05	30.13	30.33	29.70	55.0	51.5	70.5	61.4	51.7	49.0	57.7	55.6	73.5	51.1	62.3	85	36	49	46	47	50	48	80	84	45	68	69											
December	30.05	30.12	30.50	29.36	48.4	45.6	59.4	53.1	45.9	43.8	51.7	49.5	62.4	43.1	52.8	78	27	43	42	44	46	43	82	86	60	77	76											
Year	29.99	30.06	30.50	29.08	60.8	60.0	74.8	66.8	57.9	57.0	62.1	60.7	77.6	58.1	67.9	103	21	56	55	53	56	55	83	83	50	70	72											

SCRANTON, PA.

[$\phi=41^{\circ}24' N.$; $\lambda=75^{\circ}42' W.$]

January	29.16	30.06	29.64	28.44	23.1	21.6	34.4	18.3	26.4	53	-8	18	78	72	77
February	29.00	29.89	29.48	28.38	21.6	19.8	30.5	17.7	24.1	45	1	15	72	77	77
March	29.02	29.86	29.42	28.01	35.6	33.4	47.8	32.4	40.1	66	26	30	80	77	77
April	29.18	30.05	29.43	28.74	44.3	40.9	63.5	41.6	52.6	86	28	37	76	77	77
May	29.18	30.03	29.47	28.87	57.1	52.7	73.4	52.7	63.0	89	33	49	76	77	77
June	29.12	29.97	29.47	28.82	63.0	59.4	78.6	58.7	68.6	87	50	57	81	76	77
July	29.14	29.98	29.42	28.81	66.7	63.3	82.5	62.9	72.7	94	50	61	83	76	77
August	29.21	30.06	29.56	28.92	62.8	59.9	79.4	59.2	69.3	90	44	58	85	76	77
September	29.20	30.06	29.68	28.76	56.8	54.1	74.3	53.0	63.6	91	33	52	84	76	77
October	29.20	30.06	29.72	28.69	47.5	45.0	63.5	44.9	54.2	74	32	42	83	76	77
November	29.18	30.06	29.66	28.60	37.4	35.2	50.1	32.8	41.4	70	19	33	80	76	77
December	29.15	30.05	29.87	27.93	25.0	23.6	32.9	20.3	26.6	49	-10	20	81	76	77
Year	29.14	30.01	29.87	27.93	45.1	42.4	59.2	41.2	50.2	94	-10	39	80	76	77

SEATTLE, WASH.

Airport [$\phi=47^{\circ}32' N.$; $\lambda=122^{\circ}19' W.$] City [$\phi=47^{\circ}36' N.$; $\lambda=122^{\circ}20' W.$]

January	30.01	30.14	30.41	29.31	39.4	36.5	39.9	45.1	36.0	34.4	36.6	40.0	48.0	37.5	42.8	63	22	31	31	32	33	32	73	82	75	65	74
February	29.90	30.04	30.37	29.34	40.9	38.3	43.1	47.8	38.9	36.9	39.9	42.5	49.1	38.9	44.0	56	29	36	35	36	36	36	84	89	77	64	78
March	29.94	30.08	30.34	29.48	44.2	40.3	47.8	51.9	41.1	38.6	42.9	44.2	53.7	39.9	46.8	69	33	37	36	37	35	37	78	87	68	55	72
April	29.78	29.91	30.17	29.28	49.4	45.6	53.8	58.9	45.5	43.4	47.2	49.2	60.1	45.3	52.7	73	39	42	41	40	39	40	75	84	62	50	68
May	29.88	30.02	30.23	29.48	53.8	49.1	57.9	63.3	50.0	47.1	51.3	53.0	63.6	49.5	56.6	77	41	46	45	45	44	45	77	87	64	52	70
June	29.91	30.04	30.14	29.54	56.7	51.9	61.4	66.7	53.0	49.7	54.8	57.1	68.5	52.9	60.7	97	49	50	48	50	50	49	78	86	66	57	72
July	29.90	30.03	30.16	29.60	64.6	58.7	68.6	76.6	60.0	56.8	61.3	64.6	76.5	58.9	67.7	98	55	57	55	57	57	57	77	89	67	54	72
August	29.86	30.00	30.15	29.68	64.3	58.3	67.4	77.4	59.8	56.4	60.7	64.3	77.5	57.9	67.7	96	52	57	55	56	56	56	78	89	69	50	72
September	29.90	30.03	30.23	29.58	57.6	51.8	61.3	70.0	54.2	50.6	56.1	59.4	69.7	53.2	61.4	80	46	52	50	52	52	51	81	92	74	55	76
October	29.94	30.08	30.25	29.67	51.9	48.0	55.0	61.3	49.8	47.0	51.7	54.0	62.3	48.5	55.4	74	37	48	46	49	48	48	87	94	81	64	81
November	29.80	29.94	30.38	28.79	42.8	41.0	44.5	47.7	41.1	39.9	42.4	44.0	50.5	40.7	45.6	57	34	39	39	40	40	40	88	91	85	76	85
December	29.86	30.00	30.30	29.30	42.7	42.6	44.0	45.5	41.1	40.6	41.9	43.0	47.8	41.1	44.4	56	33	39	38	40	40	39	88	84	85	82	85
Year	29.89	30.02	30.41	28.79	50.7	46.8	53.7	59.4	47.5	45.1	48.9	51.3	60.6	47.0	53.8	98	22	44	43	44	44	44	80	88	73	60	75

SHERIDAN, WYO.

Airport [$\phi=44^{\circ}48' N.$; $\lambda=106^{\circ}57' W.$]

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TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

SAVANNAH, GA.

Airport [$H=42$ ft.; $H_b=51$ ft.; $H_t=4$ ft.; $H_r=4$ ft.; $H_a=28$ ft.] City [$H=42$ ft.; $H_b=65$ ft.; $H_t=73$ ft.; $H_r=71$ ft.; $H_a=152$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—														Thunderstorm			
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above		95° or above	32° or below	0° or below
January	In.	In.	In.		Mi.	nw.	29	nw.	0	12	10	9	9	5	0	0	0	3	1	1	1	0	0	0	5	0	0
February	3.41	2.60	0.0	4.9	10.6	nw.	29	nw.	2	10	5	13	8	8	0	0	1	2	1	1	1	0	0	0	5	0	0
March	3.44	.85	.0	5.6	10.5	nw.	39	nw.	2	10	5	13	8	8	0	0	0	2	2	1	1	0	0	0	0	0	4
April	5.67	1.86	.0	5.6	12.7	sw.	44	s.	3	9	11	11	12	9	0	0	0	2	2	1	0	0	0	0	0	0	1
May	.28	.28	.0	2.8	10.2	sw.	28	s.	0	17	12	1	2	1	0	0	0	5	0	0	0	2	0	0	0	0	0
June	1.71	.65	.0	4.7	9.0	s.	27	n.	0	14	9	8	8	7	0	0	0	2	1	1	1	0	0	0	0	0	3
July	5.21	1.52	.0	6.3	9.2	se.	36	sw.	3	5	13	12	13	12	0	0	1	0	0	0	0	13	1	0	0	0	8
August	9.09	5.37	.0	4.8	8.7	w.	32	nw.	2	13	11	7	13	11	0	0	0	1	0	0	0	27	13	0	0	0	12
September	2.48	1.40	.0	4.9	9.0	s.	38	w.	5	12	12	7	9	9	0	0	0	2	1	1	1	0	18	3	0	0	9
October	2.37	1.45	.0	5.6	7.5	s.	24	nw.	0	8	15	7	8	5	0	0	0	7	2	2	2	0	15	4	0	0	5
November	.46	.23	.0	3.0	8.8	n.	26	ne.	0	19	10	2	3	3	0	0	1	5	3	2	1	0	0	0	0	0	3
December	1.08	.62	.0	2.7	9.7	ne.	28	nw.	0	22	4	4	4	4	0	0	0	6	2	1	1	0	0	0	0	0	1
December	3.49	.75	.0	4.8	11.0	nw.	39	nw.	2	12	10	9	15	12	0	0	0	5	2	0	0	0	0	0	3	0	0
Year	38.69	5.37	.0	4.6	9.7	sw.	44	s.	17	153	122	90	104	86	0	0	2	41	15	10	8	0	75	21	13	0	46

SCRANTON, PA.

[$H=746$ ft.; $H_b=805$ ft.; $H_t=72$ ft.; $H_r=64$ ft.; $H_a=104$ ft.]

January	1.36	0.42	7.5	5.8	7.2	sw.	25	nw.	0	7	12	12	8	7	18	5	0	5	2	0	0	9	0	0	27	3	1
February	1.25	.76	4.8	7.1	8.7	nw.	29	nw.	0	5	8	15	8	5	21	6	0	1	0	1	0	15	0	0	26	0	0
March	2.98	.78	10.1	7.0	7.7	nw.	27	nw.	0	3	11	17	14	9	15	8	0	2	0	0	0	0	0	0	16	0	1
April	1.52	.74	8.3	5.2	7.4	nw.	22	nw.	0	11	8	11	9	4	6	3	0	3	0	0	0	0	0	0	3	0	1
May	6.73	2.92	.0	5.8	6.5	sw.	27	se.	0	7	14	10	11	8	0	0	0	2	1	1	0	0	0	0	0	0	8
June	3.71	.88	.0	6.1	5.6	n.	31	nw.	0	6	14	10	17	15	0	0	0	4	2	1	0	0	0	0	0	0	9
July	5.08	1.25	.0	5.7	5.7	sw.	18	n.	0	7	17	7	17	14	0	0	0	4	1	0	0	2	0	0	0	0	9
August	1.66	.92	.0	5.4	5.2	n.	24	nw.	0	9	13	9	8	6	0	0	0	2	1	1	0	0	0	0	0	0	3
September	4.60	2.22	.0	5.2	5.7	n.	29	nw.	0	9	13	8	7	7	0	0	0	5	2	1	0	0	1	0	0	0	1
October	4.56	1.56	T	5.8	5.6	n.	19	n.	0	9	10	12	9	8	1	0	0	3	0	0	0	0	0	0	2	0	0
November	3.41	1.65	T	6.0	7.0	sw.	30	nw.	0	6	14	10	12	10	4	0	0	3	2	0	0	1	0	0	16	0	0
December	4.73	1.84	8.3	7.3	7.6	sw.	26	nw.	0	2	13	16	12	9	15	5	0	4	1	0	0	13	0	0	27	2	0
Year	41.59	2.92	39.0	6.0	6.6	sw.	31	nw.	0	81	147	137	132	102	80	27	0	38	12	5	0	38	3	0	117	5	33

SEATTLE, WASH.

Airport [$H=14$ ft.; $H_b=30$ ft.; $H_t=33$ ft.; $H_r=29$ ft.; $H_a=45$ ft.] City [$H=14$ ft.; $H_b=125$ ft.; $H_t=90$ ft.; $H_r=83$ ft.; $H_a=321$ ft.]

January	2.83	0.73	1.0	7.4	6.9	se.	34	s.	1	5	5	21	13	11	3	2	0	9	5	1	1	0	0	0	7	0	0
February	2.27	.78	T	7.4	8.0	se.	33	s.	1	3	10	15	18	11	3	0	0	7	3	2	3	0	0	0	1	0	1
March	2.09	.70	.0	7.7	9.7	se.	40	sw.	2	3	8	20	14	14	0	0	1	5	0	0	0	0	0	0	0	0	0
April	1.61	.66	.0	7.4	9.7	s.	42	s.	1	3	9	18	13	7	0	0	0	1	0	0	0	0	0	0	0	0	1
May	1.68	.41	.0	7.8	8.0	s.	26	sw.	0	2	10	19	16	12	0	0	0	3	2	1	0	0	0	0	0	0	0
June	2.96	.72	.0	6.8	9.2	s.	29	sw.	0	6	8	16	12	10	0	0	0	2	0	0	0	1	1	0	0	0	1
July	.57	.26	.0	5.4	8.7	s.	31	sw.	0	8	13	10	5	4	0	0	0	4	2	0	0	4	2	0	0	0	1
August	.53	.50	.0	4.5	7.1	n.	24	sw.	0	11	13	7	2	1	0	0	0	3	3	0	0	2	1	0	0	0	1
September	.27	.13	.0	5.5	6.3	n.	21	s.	0	10	7	13	3	2	0	0	0	19	2	0	2	0	0	0	0	0	0
October	1.68	.91	.0	7.0	7.6	s.	34	s.	2	6	7	18	10	8	0	0	0	12	9	0	2	0	0	0	0	0	0
November	9.40	2.08	.0	8.5	10.8	se.	47	sw.	2	1	7	22	20	18	0	0	0	7	2	0	0	0	0	0	0	0	0
December	5.21	1.13	T	8.7	11.5	se.	45	sw.	9	1	5	25	18	17	3	0	1	7	2	0	0	0	0	0	0	0	1
Year	31.10	2.08	1.0	7.0	8.6	s.	47	sw.	18	59	102	204	144	115	9	2	2	79	30	4	8	0	7	4	8	0	6

SHERIDAN, WYO.

[$H=3,949$ ft.; $H_b=3,968$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=38$ ft.]

January	0.30	0.09	3.5	5.1	6.6	nw.	35	nw.	2	12	8	11	8	4	9	7	0	0	0	0	0	9	0	0	31	7	0
February	.43	.18	5.2	6.8	7.3	nw.	39	nw.	1	4	11	13	7	4	14	7	0	1	0	0	0	14	0	0	28	5	0
March	.72	.40	7.4	6.7	11.2	nw.	43	nw.	6	5	10	16	9	3	15	8	0	2	2	1	1	5	0	0	31	0	0
April	1.83	.96	T	7.5	10.1	nw.	36	nw.	6	4	7	19	10	9	5	0	0	3	1	0	0	0	0	0	7	0	0
May	4.28	1.19	2.4	7.1	8.2	nw.	38	nw.	3	2	13	16	16	12	6	2	2	7	0	0	0	0	0	0	6	0	9
June	1.23	.57	.0	6.2	7.9	nw.	35	nw.	4	5	13	12	10	8	0	0	3	0	0	0	0	0	0	0	0	0	11
July	1.09	.37	.0	4.3	6.9	nw.	45	nw.	8	10	18	3	9	6	0	0	2	0	0	0	0	0	11	2	0	0	17
August	.12	.05	.0	4.1	7.6	nw.	36	nw.	5	14	13	4	6	0	0	0	1	0	1	0	0	8	3	0	0	0	9
September	1.71	.57	.6	6.3	9.0	nw.	37	nw.	4	8	7	15	10	6	2	1	0	2	1	0	0	0	2	4	0	2	2
October	2.02	1.11	1.8	5.6	7.7	nw.	49	nw.	7	11	8	12	11	6	5	3	0	1	0	0	0	0	0	0	9	0	0
November	2.23	.86	24.0	7.1	7.9	nw.	47	sw.	5	4	8	18	11	7	14	10	0	3	2	2	2	6	0	0	29	1	0
December	.55	.24	5.1	8.1	6.4	nw.	34	nw.	1	1	6	24	8	5	10	6	0	2	2	2	1	9	0	0	29	2	0
Year	16.51	1.19	50.0	6.2	8.1	nw.	9	nw.	52	80	122	163	115	70	80	44	7	22	8	6	4	43	21	5	174	15	48

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

SHREVEPORT, LA.
Airport [$\phi=32^{\circ}33' N.$; $\lambda=93^{\circ}46' W.$]

Month	Pressure				Temperature ($^{\circ} F.$)													Moisture									
	Mean		Extremes		Mean													Mean					Extremes				
	Station level	Sea level	Station level		Dry bulb								Wet bulb					Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Maximum	Minimum	Monthly	Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
	In. (1)	In.	In. (1)	In. (1)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%
January	29.94	30.22	30.38	29.32	41.4	37.8	50.3	48.7	38.1	36.0	43.3	41.7	56.0	33.8	44.9	77	15	34	34	35	34	34	75	85	60	58	69
February	29.78	30.06	30.16	29.18	45.2	40.6	51.2	51.4	41.9	38.5	44.8	45.1	56.4	38.3	47.4	72	27	38	35	37	38	37	76	82	60	60	70
March	29.68	29.94	30.15	29.28	53.2	48.8	63.4	62.3	48.7	46.1	52.9	52.4	68.1	46.3	57.2	85	32	44	43	43	42	43	73	81	50	52	64
April	29.74	30.01	30.12	29.26	62.3	58.9	72.1	72.0	58.3	56.7	62.3	62.0	77.0	57.3	67.2	89	37	55	55	56	55	55	79	87	59	58	71
May	29.71	29.98	29.97	29.42	68.1	65.6	77.7	77.2	64.7	63.0	66.9	67.1	82.2	63.0	72.6	95	52	63	62	61	61	62	84	87	58	60	72
June	29.63	29.90	29.88	29.36	75.6	74.4	86.7	84.7	72.3	72.1	75.0	74.6	90.9	71.7	81.3	98	66	71	71	70	70	71	86	90	59	64	75
July	29.79	30.05	29.97	29.62	77.0	74.8	90.2	88.2	73.1	72.4	75.3	74.2	94.5	73.3	83.9	101	66	72	71	69	70	70	83	89	50	56	70
August	29.72	29.98	29.88	29.60	77.4	74.8	87.4	86.1	73.6	72.8	76.1	75.8	91.5	73.8	82.6	101	68	72	72	72	72	72	84	91	61	64	75
September	29.75	30.02	30.12	29.51	69.5	66.9	81.4	77.6	66.9	65.0	70.7	69.7	84.6	65.0	74.8	92	43	65	64	65	66	65	88	90	59	68	76
October	29.75	30.01	30.03	29.30	60.8	57.0	75.5	70.5	57.8	55.0	62.8	61.8	79.4	54.3	66.8	87	35	56	53	54	56	55	84	88	50	61	71
November	29.82	30.08	30.30	29.28	56.8	52.5	67.2	63.0	52.9	49.7	57.7	56.0	71.8	49.3	60.6	84	30	49	47	50	50	49	77	82	56	64	70
December	29.82	30.09	30.19	29.23	45.9	43.0	54.0	50.8	43.8	41.9	48.5	46.6	58.2	38.5	48.4	79	29	42	41	43	42	42	85	92	69	74	80
Year	29.76	30.03	30.38	29.18	61.1	57.9	71.4	69.4	57.7	55.8	61.4	60.6	75.9	55.4	65.6	101	15	55	54	55	55	55	81	87	58	62	72

SIOUX CITY, IOWA
Airport [$\phi=42^{\circ} 23' N.$; $\lambda=96^{\circ} 22' W.$]

	(1)		(1)	(1)																							
January	28.89	30.16	29.44	28.38	19.7	16.7	26.3	25.6	18.6	15.7	23.5	23.4	32.5	12.0	22.2	56	-24	16	13	18	19	16	84	85	70	76	79
February	28.85	30.12	29.07	28.40	20.8	17.2	25.3	25.5	20.0	16.7	23.4	23.9	29.9	13.4	21.6	43	-10	18	15	19	20	18	88	90	76	79	83
March	28.64	29.88	29.19	28.13	33.4	30.8	40.2	40.6	31.8	29.4	35.8	36.2	45.5	28.4	37.0	71	17	30	27	30	30	29	85	86	68	68	77
April	28.75	29.97	29.22	28.17	48.6	43.6	62.2	62.1	43.5	40.8	50.6	50.5	67.5	39.8	53.6	87	22	38	38	39	40	39	68	80	45	46	60
May	28.70	29.90	29.11	27.98	53.6	51.1	64.5	65.2	50.4	48.6	55.1	55.8	69.7	47.0	58.4	94	29	48	46	48	48	48	80	84	57	57	70
June	28.71	29.90	29.02	28.35	64.2	62.5	75.2	76.2	61.0	60.0	65.1	66.0	79.8	59.5	69.6	94	45	59	58	59	60	59	83	86	59	59	72
July	28.75	29.94	29.06	28.48	70.1	66.3	82.9	83.9	65.3	63.3	69.6	69.9	88.1	63.9	76.0	105	50	63	62	63	63	62	78	86	52	51	67
August	28.75	29.94	29.06	28.50	68.8	64.6	80.8	80.1	64.5	61.7	69.0	69.2	85.4	62.2	73.8	98	50	62	60	63	64	62	80	86	56	59	70
September	28.79	30.00	29.22	28.41	55.2	52.4	65.9	63.7	53.0	50.9	57.8	57.5	70.1	49.3	59.7	93	25	51	49	52	53	51	86	89	62	69	77
October	28.78	30.00	29.16	28.20	47.5	42.1	60.9	56.8	42.8	39.3	49.9	47.7	65.3	40.0	52.6	85	17	38	36	40	39	38	69	78	47	53	62
November	28.75	30.00	29.26	28.02	33.1	30.0	42.6	40.2	30.2	28.2	36.9	34.9	48.9	23.4	36.2	68	0	26	25	29	28	27	74	81	61	62	69
December	28.86	30.13	29.38	28.37	19.0	18.6	23.5	21.7	18.1	17.7	21.7	20.6	28.7	10.9	19.8	46	-7	16	15	18	18	17	86	85	77	85	83
Year	28.77	30.00	29.44	27.98	44.5	41.3	54.2	53.5	41.6	39.4	46.5	46.3	59.3	37.5	48.4	105	-24	39	37	40	40	39	80	85	61	64	72

SPOKANE, WASH.
Airport [$\phi=47^{\circ}40' N.$; $\lambda=117^{\circ}20' W.$]

	(1)		(1)	(1)																							
January	28.22	30.35	28.61	27.70	21.2	19.9	24.3	27.4	20.7	19.4	23.2	25.9	29.8	15.5	22.6	48	-7	20	18	21	23	21	93	93	87	83	89
February	27.99	30.08	28.31	27.54	29.3	27.6	32.5	36.7	28.1	26.6	30.0	32.9	38.1	23.9	31.0	48	2	26	25	26	27	26	86	89	76	69	80
March	27.98	30.05	28.32	27.50	35.5	31.9	42.7	48.9	32.1	29.8	36.4	39.2	50.7	28.6	39.6	70	21	27	27	28	27	27	72	81	58	44	64
April	27.83	29.87	28.25	27.42	45.5	38.8	54.2	61.2	41.1	36.6	45.4	47.7	62.6	37.0	49.8	83	28	36	34	37	34	35	71	83	53	38	61
May	27.92	29.95	28.28	27.58	50.1	44.3	56.5	61.5	46.6	42.6	49.2	50.2	63.7	42.3	53.0	83	32	43	41	43	40	42	79	89	62	48	69
June	27.93	29.95	28.25	27.55	55.7	50.0	63.6	69.3	51.1	47.6	53.9	55.3	71.3	47.9	59.6	92	40	48	46	46	45	46	74	85	55	43	65
July	27.96	29.95	28.19	27.75	67.0	58.3	76.3	84.5	58.3	54.0	60.7	62.1	85.7	56.6	71.2	98	46	53	51	51	48	50	61	78	42	30	53
August	27.91	29.90	28.16	27.64	66.7	57.2	76.1	85.5	55.3	51.5	60.0	60.6	86.4	54.3	70.4	101	40	47	47	50	43	47	51	70	40	24	46
September	27.95	29.96	28.32	27.66	56.9	49.2	67.4	76.6	49.0	45.0	53.9	56.3	77.9	45.8	61.8	90	32	42	41	43	40	42	57	74	42	28	50
October	28.02	30.07	28.43	27.57	46.2	40.8	53.4	61.0	42.7	39.1	46.4	49.2	63.5	37.2	50.4	79	26	39	37	40	38	39	77	87	60	45	67
November	27.93	30.00	28.53	27.08	34.3	33.0	36.2	38.3	32.9	31.8	34.2	35.6	40.7	29.4	35.0	53	12	31	30	32	32	31	88	89	83	79	85
December	27.97	30.05	28.36	27.48	32.1	31.2	33.4	34.1	31.2	30.1	31.9	32.8	36.9	28.0	32.4	45	16	30	29	30	31	30	91	90	86	88	89
Year	27.97	30.02	28.61	27.08	45.0	40.2	51.4	57.1	40.8	37.8	43.8	45.6	58.9	37.2	48.1	101	-7	37	36	37	36	36	75	84	62	52	68

SPRINGFIELD, ILL.
Airport [$\phi=39^{\circ}45' N.$; $\lambda=89^{\circ}41' W.$] City [$\phi=39^{\circ} 48' N.$; $\lambda=89^{\circ} 39' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.42	30.13	29.97	28.65	23.8	21.7	33.7	27.6	22.6	20.9	30.1	25.5	37.5	20.6	29.0	57	-6	20	19	24	21	21	86	90	66	76	79
February	29.36	30.07	29.68	28.55	27.1	25.5	31.0	29.5	26.0	24.5	28.9	25.1	35.5	24.3	29.9	50	8	24	22	25	25	24	86	87	77	83	83
March	29.18	29.88	29.58	28.44	38.5	36.2	47.8	45.2	36.4	34.7	41.7	40.8	52.6	36.2	44.4	77	28	34	33	35	36	34	84	88	63	71	76
April	29.38	30.06	29.72	28.98	50.0	46.5	64.0	61.9	46.5	40.4	53.3	53.1	69.2	47.5	58.4	88	33	43	41	44	46	44	78	83	52	58	68</

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

SHREVEPORT, LA.
 Airport [$H=174$ ft.; $H_b=181$ ft.; $H_t=6$ ft.; $H_r=3$ ft.; $H_a=64$ ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog			Maximum temperature			Minimum temp.			
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm
January	<i>Ins.</i> 1.12	<i>In.</i> 0.76	<i>In.</i> T	4.7	<i>Mi.</i> 11.9	<i>nw.</i> 40	<i>w.</i> 40	1	16	4	11	5	4	3	0	1	6	1	1	1	4	0	0	13	0	2	
February	1.34	.53	0.0	7.0	12.1	se.	36	nw.	2	6	4	18	6	6	0	0	9	2	1	2	0	0	0	9	0	2	
March	3.02	.93	T	5.3	12.3	s.	36	nw.	1	14	4	13	9	7	3	0	7	2	1	1	0	0	0	1	0	3	
April	10.34	5.71	.0	6.5	11.0	se.	34	se.	1	5	11	14	10	9	0	1	10	1	1	2	0	0	0	0	0	8	
May	8.00	4.91	.0	5.6	9.8	s.	33	se.	1	10	9	12	6	5	0	0	5	3	2	2	0	5	0	0	0	6	
June	6.04	2.66	.0	6.4	8.7	s.	35	s.	1	5	12	13	14	11	0	0	3	1	1	0	0	19	7	0	0	13	
July	.56	.33	.0	4.7	7.3	sw.	34	e.	1	11	16	4	5	4	0	0	5	0	0	0	26	19	0	0	0	6	
August	7.99	3.00	.0	6.2	8.4	se.	33	se.	1	7	12	12	15	11	0	0	3	1	0	0	0	17	9	0	0	12	
September	2.80	1.35	.0	5.3	7.2	se.	29	nw.	0	10	9	11	6	4	0	0	4	0	0	0	8	0	0	0	0	4	
October	1.34	1.31	.0	4.7	7.4	se.	29	s.	0	14	5	12	4	1	0	0	11	2	1	3	0	0	0	0	0	1	
November	.62	.29	.0	5.0	10.8	se.	29	s.	0	13	7	10	7	5	0	0	7	2	2	2	0	0	0	2	0	2	
December	2.06	1.03	T	6.6	9.8	se.	34	nw.	1	9	4	18	11	9	2	0	16	7	7	7	0	0	0	4	0	2	
Year	45.23	5.71	T	5.7	9.7	se.	40	w.	10	120	97	148	98	76	8	0	3	86	22	17	20	4	75	35	29	0	61

SIOUX CITY, IOWA
 Airport [$H=1,096$ ft.; $H_b=1,101$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=40$ ft.]

January	0.49	0.50	5.3	4.3	10.0	nw.	32	nw.	1	14	9	8	1	1	7	1	0	6	2	1	0	10	0	0	30	10	0
February	.50	.25	5.8	7.5	9.4	nw.	30	w.	0	3	6	19	8	4	15	7	0	15	4	3	3	18	0	0	28	3	0
March	2.33	1.55	1.9	7.3	13.0	nw.	36	nw.	7	5	7	19	11	7	11	7	1	11	2	2	1	2	0	0	24	0	0
April	.45	.16	.0	6.0	12.1	se.	47	s.	2	7	10	13	6	3	0	0	1	7	0	2	1	0	0	0	7	0	3
May	1.62	.70	.0	6.9	11.7	e.	36	s.	1	5	8	18	10	8	0	0	1	13	1	0	0	4	0	3	0	6	
June	4.83	1.43	.0	6.4	9.0	se.	26	w.	0	6	11	13	15	9	0	0	2	12	3	0	0	4	0	0	0	12	
July	1.66	.75	.0	4.8	7.6	se.	30	w.	0	9	15	7	10	6	0	0	0	6	2	1	3	0	11	4	0	0	
August	1.56	.95	.0	4.3	7.9	se.	25	s.	0	12	15	4	4	4	0	0	0	9	0	0	0	6	3	0	0	9	
September	4.01	1.32	T	6.3	8.5	se.	41	se.	2	8	5	17	9	6	1	0	1	14	3	3	1	0	4	0	3	5	
October	.58	.25	T	3.9	9.2	nw.	38	nw.	2	18	6	7	6	4	2	0	0	4	1	0	0	0	0	7	0	1	
November	.43	.18	3.1	6.6	11.5	nw.	36	nw.	4	7	7	16	4	3	6	2	0	5	2	2	1	3	0	0	26	1	0
December	.82	.57	2.2	7.3	9.5	nw.	32	nw.	1	6	6	19	7	2	12	5	0	16	4	4	1	19	0	0	31	7	0
Year	19.28	1.55	18.3	6.0	9.9	nw.	47	s.	20	100	105	160	91	57	54	22	6	118	24	18	11	52	28	7	159	21	52

SPOKANE, WASH.
 Airport [$H=1,955$ ft.; $H_b=1,968$ ft.; $H_t=6$ ft.; $H_r=3$ ft.; $H_a=49$ ft.]

January	1.24	0.41	4.9	7.6	3.8	e.	18	sw.	0	5	6	20	11	7	13	4	0	21	8	7	6	17	0	0	29	5	0
February	1.30	.30	7.9	8.0	5.0	ne.	21	e.	0	1	8	19	14	12	14	9	0	13	3	3	3	4	0	0	22	0	0
March	.48	.31	1.3	6.9	7.4	ne.	42	sw.	1	6	10	15	6	2	10	3	0	6	2	2	1	0	0	0	25	0	0
April	.98	.29	T	6.9	7.9	s.	29	sw.	0	5	7	18	9	6	1	0	0	1	0	0	0	0	0	0	4	0	0
May	3.19	.91	T	7.8	6.8	s.	26	nw.	0	3	6	22	17	11	1	0	2	3	0	0	0	0	0	0	1	0	5
June	.93	.58	.0	6.5	7.5	s.	26	sw.	0	5	12	13	12	4	0	0	0	3	0	0	0	0	1	0	0	0	3
July	.34	.23	.0	3.7	7.2	n.	27	w.	0	16	9	6	5	2	0	0	0	0	0	0	0	0	11	4	0	0	5
August	.08	.03	.0	2.7	6.7	n.	26	n.	0	22	7	2	4	0	0	0	0	1	1	1	1	1	15	6	0	0	1
September	.22	.14	.0	3.8	6.0	n.	26	n.	0	15	9	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
October	1.12	.50	.0	5.5	6.2	ne.	28	sw.	0	10	9	12	8	6	0	0	0	7	4	3	2	0	0	0	7	0	1
November	2.69	.55	7.2	9.3	6.7	sw.	34	sw.	1	0	4	26	17	15	16	11	0	19	9	6	4	0	0	0	22	0	0
December	1.70	.45	10.6	9.4	5.9	sw.	30	s.	0	1	1	29	19	12	14	10	0	20	11	10	5	6	0	0	25	0	0
Year	14.27	0.91	31.9	6.5	6.4	ne.	42	sw.	2	89	88	188	124	79	69	37	2	94	38	32	22	27	27	10	135	5	15

SPRINGFIELD, ILL.
 Airport [$H=602$ ft.; $H_b=613$ ft.; $H_t=6$ ft.; $H_r=3$ ft.; $H_a=56$ ft.] City [$H=598$ ft.; $H_b=636$ ft.; $H_t=5$ ft.; $H_r=3$ ft.; $H_a=191$ ft.]

January	1.59	1.21	2.4	5.6	10.2	nw.	30	w.	0	13	6	12	4	4	7	2	0	9	4	3	1	9	0	0	25	5	0
February	4.82	2.03	9.4	8.1	7.3	nw.	23	n.	0	3	5	20	12	8	20	9	0	6	4	3	1	12	0	0	24	0	4
March	1.82	.93	1.2	7.5	12.9	nw.	38	s.	4	4	8	19	11	6	9	2	3	9	3	1	0	0	0	0	9	0	4
April	2.34	1.29	T	5.6	12.3	s.	40	nw.	2	11	7	12	7	6	2	0	0	6	3	3	1	0	0	0	0	0	3
May	3.43	1.05	.0	7.4	11.4	s.	43	sw.	2	1	13	17	11	10	0	0	2	0	0	0	0	3	0	0	0	0	12
June	5.44	1.09	.0	8.0	8.6	s.	32	s.	1	2	8	20	17	12	0	0	0	1	1	1	0	0	0	1	0	0	14
July	7.06	1.79	.0	5.7	9.2	s.	29	n.	0	10	11	10	11	10	0	0	1	0	0	0	0	13	3	0	0	0	12
August	.91	.48	.0	5.4	8.9	s.	23	sw.	0	12	7	12	7	4	0	0	0	2	1	0	0	10	1	0	0	0	9
September	4.45	2.46	T	5.8	10.2	s.	33	n.	1	9	10	11	7	6	2	0	0	3	0	0	0	6	0	0	0	0	6
October	3.07	2.50	T	5.2	10.5	w.	31	s.	0	11	10	10	8	5	1	1	0	3	2	0	0	0	0	0	3	0	1
November	5.82	2.32	4.0	7.1	13.0	s.	35	s.	2	5	7	18	11	9	3	3	0	10	5	3	2	0	0	0	9	0	4
December	2.61	1.58	8.1	7.5	11.0	s.	32	nw.	1	4	7	20	11	9	11	5	1	14	11	7	6	12	0	0	24	0	1
Year	43.36	2.50	25.1	6.6	10.5	s.	43	sw.	13	85	99	181	117	89	55	22	7	63	34	21	11	33	39	5	94	5	70

SPRINGFIELD, MO.
 Airport [$\phi=37^{\circ}13' N.$; $\lambda=93^{\circ}15' W.$]

Month	Pressure				Temperature (° F.)												Moisture											
	Mean		Extremes		Mean												Extremes						Mean					
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity					
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	
	<i>In.</i> (1)	<i>In.</i>	<i>In.</i> (1)	<i>In.</i> (1)	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%	
January	28.73	30.18	29.15	28.08	28.6	25.5	36.8	33.4	26.3	24.1	31.7	29.5	42.5	20.3	31.4	68	—4	23	22	24	24	23	78	85	62	68	73	
February	28.60	30.04	28.94	27.98	30.9	28.2	37.5	36.5	29.0	27.0	33.5	32.9	42.8	25.0	33.9	70	0	26	25	28	28	27	81	87	68	71	77	
March	28.49	29.90	28.96	28.00	41.4	38.3	51.2	49.1	37.4	35.3	42.4	41.6	56.3	35.2	45.8	78	25	32	31	31	32	32	70	46	49	53	62	
April	28.60	30.00	28.92	28.22	54.5	51.4	65.3	63.9	49.5	48.2	55.2	54.1	69.8	49.8	59.8	85	29	45	45	47	46	46	72	80	55	56	66	
May	28.57	29.96	28.83	28.21	57.6	56.3	68.7	67.9	54.8	54.0	59.8	60.1	72.5	52.2	62.4	88	33	53	52	54	55	53	84	87	61	65	74	
June	28.55	29.92	28.79	28.26	67.0	66.5	76.7	76.3	64.9	64.5	68.1	68.6	81.4	63.1	72.2	90	44	64	63	64	65	64	90	90	67	69	79	
July	28.66	30.02	28.81	28.49	70.1	69.4	84.5	83.1	67.3	67.1	72.4	72.4	87.7	66.8	77.2	95	59	66	66	67	68	67	87	89	56	61	73	
August	28.63	30.01	28.82	28.49	68.6	66.8	80.9	78.0	66.4	65.2	70.4	69.9	84.4	65.0	74.7	95	55	65	64	66	66	65	89	92	61	69	78	
September	28.65	30.04	29.04	28.41	61.6	58.0	72.5	69.1	59.1	56.7	62.6	62.1	77.6	56.8	67.2	90	30	57	56	56	58	57	85	91	59	68	76	
October	28.63	30.03	28.91	28.09	52.4	49.4	65.6	59.3	49.0	47.0	54.9	52.5	69.3	46.0	57.6	82	21	46	45	46	46	46	78	84	52	63	69	
November	28.62	30.04	29.05	28.05	44.7	42.6	53.6	49.3	42.2	40.2	47.0	45.1	57.7	38.8	48.2	77	20	39	37	40	40	39	81	82	63	73	75	
December	28.65	30.09	29.11	28.16	33.3	32.0	38.5	36.3	31.8	30.8	35.1	33.8	42.9	28.5	35.7	65	15	29	29	30	30	30	84	88	72	78	80	
Year	28.62	30.02	29.15	27.98	50.9	48.7	61.0	58.5	48.1	46.7	52.8	51.9	65.4	45.6	55.5	95	—4	45	45	46	46	46	82	86	60	66	74	

 SYRACUSE, N. Y.
 Airport [$\phi=43^{\circ}04' N.$; $\lambda=76^{\circ}16' W.$]

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 TACOMA, WASH.
 [$\phi=47^{\circ}15' N.$; $\lambda=122^{\circ}26' W.$]

January	29.92	30.13	30.32	29.23			39.4	44.5			36.5	39.6	45.9	34.3	40.1	61	19			32	33	33			76	66	71
February	29.83	30.04	30.28	29.26			42.7	47.1			39.6	41.4	48.2	37.4	42.8	54	28			36	35	35			77	64	70
March	29.88	30.09	30.25	29.41			47.3	51.1			41.9	43.4	53.4	37.8	45.6	67	31			36	34	35			66	54	60
April	29.71	29.92	30.09	29.23			53.8	56.7			46.9	48.2	59.8	44.1	52.0	73	38			40	39	39			59	54	57
May	29.82	30.02	30.14	29.41			57.1	61.4			50.6	51.5	63.0	48.1	55.6	78	37			44	42	43			64	52	58
June	29.78	30.05	30.05	29.48			60.6	65.3			53.5	55.8	66.7	51.6	59.2	91	46			48	48	48			63	55	59
July	29.85	30.05	30.10	29.54			75.4	73.4			60.1	62.4	75.3	58.2	66.8	93	53			55	55	55			67	55	61
August	29.81	30.01	30.05	29.62			66.3	73.9			59.5	61.8	75.2	57.4	66.3	93	49			55	54	54			68	51	60
September	29.84	30.04	30.15	29.52			60.9	68.0			55.4	57.6	69.0	51.7	60.4	78	44			51	50	50			71	54	62
October	29.88	30.09	30.15	29.50			55.1	60.0			51.3	52.9	62.2	46.6	54.4	76	34			48	47	48			79	64	71
November	29.73	29.94	30.31	28.74			44.9	47.1			42.0	43.5	50.0	38.7	44.4	57	32			38	40	39			79	76	77
December	29.79	30.01	30.25	29.21			43.7	45.4			41.6	42.7	47.7	39.5	43.6	56	32			39	40	39			84	80	82
Year	29.82	30.03	30.32	28.74			53.9	57.8			48.2	50.1	59.7	45.4	52.6	93	19			44	43	43			71	60	66

 TOPEKA, KAN.
 [$\phi=39^{\circ}03' N.$; $\lambda=95^{\circ}41' W.$]

January	29.10	30.20	29.62	28.59	27.6	24.8	34.8	34.5	25.6	23.1	29.8	30.2	40.5	21.5	31.0	61	-6	22	20	22	23	22	79	79	58	64	70
February	28.98	30.06	29.33	28.38	29.3	27.1	35.9	35.5	28.0	26.2	32.2	32.2	40.7	24.0	32.4	63	7	26	25	26	27	26	85	89	67	71	78
March	28.82	29.88	29.37	28.26	40.1	36.9	48.8	49.9	36.1	34.1	41.2	41.8	54.5	34.2	44.4	77	26	31	30	32	32	31	70	77	55	53	64
April	28.91	29.96	29.33	28.42	55.7	51.3	65.2	65.7	50.4	48.0	54.7	54.9	70.9	49.4	60.2	93	35	45	45	46	46	46	69	80	54	52	64
May	28.87	29.92	29.26	28.38	59.1	56.3	69.0	69.4	55.1	53.0	58.7	59.4	73.8	53.6	63.7	91	37	52	50	51	52	51	78	81	56	57	68
June	28.87	29.90	29.16	28.55	69.5	66.9	78.9	78.8	65.7	63.9	67.6	68.6	84.0	64.5	74.2	97	47	64	62	62	63	63	83	86	58	61	72
July	28.93	29.95	29.19	28.73	76.2	72.4	88.7	88.8	69.5	67.8	72.8	73.2	93.4	70.8	82.1	104	60	66	66	66	66	66	72	80	48	48	62
August	28.94	29.97	29.19	28.78	71.9	68.7	83.1	81.3	67.6	66.1	71.0	71.1	87.0	67.5	77.2	103	60	66	65	65	66	65	81	88	57	62	72
September	28.96	30.00	29.42	28.63	62.4	59.4	73.9	69.8	59.2	57.5	63.2	62.1	77.8	57.2	67.5	95	33	57	56	56	57	56	82	89	56	66	73
October	28.96	30.01	29.24	28.43	55.2	49.8	65.9	62.9	50.4	47.3	54.5	53.8	70.2	48.4	59.3	85	25	46	45	45	46	45	72	83	48	56	65
November	28.94	30.01	29.41	28.40	43.6	41.9	51.0	48.6	40.1	39.4	44.1	42.5	55.9	36.4	46.2	79	18	36	37	36	36	36	75	82	60	64	70
December	29.03	30.12	29.52	28.58	29.2	27.0	33.0	32.3	27.9	25.9	30.7	30.2	36.7	24.2	30.4	57	10	26	24	27	27	26	85	87	79	80	83
Year	28.94	30.00	29.62	28.26	51.6	48.5	60.7	59.8	48.0	46.0	51.7	51.7	65.4	46.0	55.7	104	-6	45	44	44	45	44	78	83	58	61	70

MONTHLY AND ANNUAL SUMMARIES

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SPRINGFIELD, MO.

Airport [H=1,360 ft.; H_b=1,362 ft.; H_t=5 ft.; H_r=3 ft.; H_a=67 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	<i>In.</i> 1.55	<i>In.</i> 0.97	<i>In.</i> 4.6	4.7	<i>Mi.</i> 12.1	nw.	<i>Mi.</i> 33	w.	1	15	4	12	6	3	8	5	0	7	4	0	3	10	0	0	26	5	1
February	2.19	.69	6.5	6.4	12.3	se.	38	sw.	2	7	8	13	11	8	9	6	1	8	2	1	1	6	0	0	22	0	3
March	1.04	.65	.4	5.5	14.5	nw.	44	sw.	5	12	5	14	5	4	3	1	0	6	1	1	1	0	0	0	12	0	2
April	5.19	2.08	.0	6.0	14.2	se.	38	ne.	6	9	7	14	12	11	0	0	0	8	0	0	0	0	0	0	1	0	5
May	2.72	.96	.0	6.1	11.5	se.	34	sw.	2	8	12	11	10	9	0	0	1	10	1	1	1	0	0	0	0	0	7
June	6.01	1.47	.0	6.9	8.9	se.	37	se.	2	5	9	16	17	13	0	0	1	11	3	0	0	0	0	0	0	0	15
July	2.96	2.43	.0	4.5	9.1	sw.	40	n.	1	12	13	6	4	4	0	0	0	8	1	0	0	0	0	0	0	0	7
August	2.91	.81	.0	5.7	7.9	se.	28	nw.	0	8	13	10	12	10	0	0	0	15	2	1	1	0	5	1	0	0	8
September	4.53	1.42	.0	4.9	9.0	se.	26	s.	0	12	10	8	7	6	0	0	15	2	0	0	0	0	2	0	1	0	3
October	3.68	2.43	T	4.8	8.9	se.	30	se.	0	13	7	11	8	6	1	0	0	10	3	2	1	0	0	0	2	0	2
November	4.43	2.20	T	6.2	13.8	se.	38	s.	6	8	5	17	13	11	3	0	0	14	8	5	3	0	0	0	8	0	5
December	5.75	3.50	6.4	7.4	11.1	se.	32	nw.	1	5	7	19	13	10	10	3	0	19	6	4	1	2	0	0	23	0	1
Year	42.96	3.50	17.9	5.8	11.1	se.	44	sw.	26	114	100	151	118	95	34	15	3	131	33	15	12	18	19	2	95	5	59

SYRACUSE, N. Y.

Airport [H=399 ft.; H_b=403 ft.; H_t=4 ft.; H_r=3 ft.; H_a=57 ft.]

January	1.59	0.63	9.5	7.2	11.5	sw.	38	sw.	5	8	3	20	16	9	21	13	0	12	2	3	1	14	0	0	29	4	0
February	3.55	1.01	33.2	8.3	11.6	sw.	29	sw.	0	4	1	23	18	16	24	16	0	6	1	0	0	21	0	0	28	5	0
March	4.52	1.10	14.8	7.8	11.6	sw.	41	sw.	3	2	8	21	19	16	21	15	0	10	3	2	1	0	0	0	26	0	2
April	2.43	.81	7.7	6.7	10.8	sw.	32	sw.	1	6	9	15	15	12	.5	4	0	9	0	0	0	0	0	0	5	0	4
May	3.71	.68	.0	7.4	8.9	s.	34	sw.	1	4	8	19	16	12	0	0	0	20	1	0	0	0	0	0	0	1	7
June	2.09	.54	.0	6.2	7.9	s.	50	nw.	2	6	12	12	11	9	0	0	1	15	1	0	0	0	2	0	0	0	3
July	2.72	.75	.0	5.2	8.3	sw.	36	sw.	1	10	12	9	13	10	0	0	0	14	0	0	0	0	2	0	0	0	5
August	2.40	.47	.0	6.1	8.2	sw.	25	sw.	0	7	14	10	13	11	0	0	0	14	4	3	2	0	1	0	0	0	6
September	3.32	1.21	.0	6.0	8.7	s.	37	w.	2	8	11	11	13	10	0	0	1	14	3	5	2	0	1	0	1	0	2
October	2.99	1.45	1.5	6.1	9.1	sw.	34	se.	1	8	8	15	11	7	2	2	0	16	4	2	2	0	0	0	5	0	0
November	3.44	.61	8.7	6.9	11.4	sw.	42	se.	4	4	11	15	18	14	11	6	1	11	1	1	1	1	0	0	19	0	0
December	6.55	2.44	13.4	8.4	12.1	sw.	45	sw.	3	2	4	25	18	13	23	14	0	14	0	0	0	14	0	0	29	3	0
Year	39.31	2.44	88.8	6.9	10.0	sw.	50	nw.	23	69	101	195	181	139	107	70	3	155	20	16	9	50	6	0	143	12	29

TACOMA, WASH.

[H=107 ft.; H_b=194 ft.; H_t=172 ft.; H_r=165 ft.; H_a=201 ft.]

January	3.26	0.87	2.3	8.2	4.9	n.	25	s.	0	3	4	24	13	13	1	1	1	14	9	8	11	1	0	0	11	0	1
February	2.78	.84	.3	7.6	7.1	n.	26	s.	0	3	9	16	15	11	1	1	0	8	6	5	4	0	0	0	6	0	0
March	2.22	.80	.5	8.0	8.5	sw.	34	sw.	2	2	7	22	17	13	2	2	1	1	1	1	1	0	0	0	1	0	0
April	1.49	.49	.0	8.3	9.2	sw.	42	s.	1	1	9	20	12	7	0	0	1	0	0	0	0	0	0	0	0	0	1
May	1.55	.40	.0	8.4	7.7	sw.	26	sw.	0	2	6	23	14	9	0	0	0	0	0	0	0	0	0	0	0	0	0
June	2.40	.58	.0	6.9	9.1	sw.	33	sw.	1	4	10	16	11	8	0	0	0	0	0	0	0	0	1	0	0	0	1
July	1.12	.40	.0	6.1	7.9	sw.	32	w.	1	7	12	12	6	5	0	0	0	0	0	0	0	0	3	0	0	0	1
August	.02	.01	.0	4.9	7.3	n.	20	sw.	0	11	9	11	2	0	0	0	0	3	2	0	2	0	1	0	0	0	0
September	.19	.11	.0	5.6	5.9	n.	22	sw.	0	8	13	9	4	2	0	0	0	5	4	5	3	0	0	0	0	0	0
October	3.17	2.39	.0	7.3	6.8	s.	29	sw.	0	4	9	18	9	8	0	0	0	15	11	8	8	0	0	0	0	0	0
November	9.23	1.72	.0	7.8	8.9	s.	36	s.	4	1	10	19	19	18	0	0	2	10	5	5	3	0	0	0	1	0	0
December	4.80	.74	T	8.4	9.0	s.	37	s.	4	1	6	24	20	14	2	0	0	12	4	2	2	0	0	0	0	0	0
Year	32.23	2.39	3.1	7.3	7.7	sw.	42	s.	13	47	104	214	142	108	6	4	5	68	42	34	34	1	5	0	19	0	4

TOPEKA, KANS.

[H=926 ft.; H_b=987 ft.; H_t=65 ft.; H_r=61 ft.; H_a=87 ft.]

January	0.11	0.33	0.9	4.1	9.3	w.	28	nw.	0	14	8	9	1	1	3	1	0	4	1	1	1	10	0	0	23	5	0
February	1.85	.81	4.0	6.7	8.8	e.	26	nw.	0	5	10	13	10	8	12	5	0	7	2	2	2	5	0	0	25	0	1
March	1.01	.45	T	6.1	10.6	nw.	31	se.	0	9	8	14	7	5	1	0	0	5	1	0	0	0	0	0	0	0	2
April	4.16	1.81	.0	6.4	11.2	s.	33	sw.	2	6	12	12	9	6	0	0	0	1	0	0	0	0	1	0	0	0	9
May	5.29	1.47	.0	6.2	9.5	s.	26	w.	0	6	13	12	13	11	0	0	1	1	1	1	0	0	2	0	0	0	7
June	4.83	2.30	.0	6.1	8.4	s.	33	nw.	2	3	18	9	16	12	0	0	0	3	0	0	0	0	9	3	0	0	11
July	1.92	.91	.0	4.5	8.4	s.	26	n.	0	13	15	3	7	5	0	0	0	2	1	1	1	0	21	16	0	0	9
August	7.72	2.80	.0	4.8	7.3	s.	24	s.	0	13	7	11	10	10	0	0	0	9	2	2	2	0	10	1	0	0	10
September	6.86	2.83	.0	5.1	8.7	s.	24	s.	0	11	10	9	10	10	0	0	0	7	0	0	0	0	7	1	0	0	7
October	2.75	1.94	.0	3.9	7.4	s.	25	s.	0	16	9	6	8	5	0	0	0	7	2	1	1	0	0	0	2	0	0
November	1.33	.59	1.1	5.6	10.5	s.	32	nw.	1	10	9	11	12	9	4	3	0	10	0	0	1	0	0	11	0	0	1
December	2.74	1.08	12.1	6.5	8.1	w.	26	ne.	0	7	8	16	10	5	11	5	0	10	3	1	0	8	0	0	25	0	1
Year	40.57	2.83	18.1	5.5	9.0	s.	33	sw.	5	113	127	125	113	87	31	14	1	66	13	9	7	24	50	21	96	5	58

TATOOSH ISLAND, WASH.

[$\phi=48^{\circ}23' N.$; $\lambda=124^{\circ}44' W.$]

Month	Pressure				Temperature (° F.)														Moisture											
	Mean		Extremes		Mean														Extremes						Mean					
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point				Relative humidity								
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly			
January	In.	In.	In.	In.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%			
February	29.98	30.07	30.43	29.25	44.9	44.3	45.1	46.0	40.8	40.3	40.8	41.5	48.2	41.6	44.9	59	30	35	35	35	36	35	71	72	70	70	71			
March	29.92	30.01	30.42	29.28	44.3	43.9	44.7	46.3	41.3	41.0	41.4	42.4	47.8	41.2	44.5	52	36	38	37	37	38	37	78	78	76	73	76			
April	29.96	30.06	30.35	29.50	44.3	43.2	45.0	46.1	41.7	40.6	41.6	42.4	48.3	40.4	44.4	64	34	38	37	37	38	38	80	80	76	74	78			
May	29.81	29.91	30.13	29.29	48.2	46.7	48.4	50.1	45.2	44.4	45.4	46.1	52.6	44.3	48.4	60	40	42	42	42	42	42	80	83	80	75	80			
June	29.93	30.03	30.28	29.51	50.7	49.6	52.2	53.4	48.2	47.6	49.2	49.8	56.0	47.8	51.9	67	42	46	46	46	47	46	84	86	81	78	82			
July	29.95	30.05	30.19	29.59	53.3	52.8	54.5	56.3	51.2	50.8	51.9	52.9	58.5	50.8	54.6	78	47	49	49	50	50	49	87	88	84	80	85			
August	29.96	30.05	30.21	29.66	58.6	57.2	58.4	60.1	56.1	55.4	56.1	56.9	63.5	54.6	59.0	80	51	54	54	54	55	54	87	90	88	83	87			
September	29.94	30.03	30.20	29.77	55.8	54.4	56.2	58.1	54.4	53.4	54.5	55.8	60.6	52.1	56.4	73	46	53	53	53	54	53	92	94	90	87	91			
October	29.96	30.06	30.25	29.64	53.4	52.2	54.2	55.6	51.7	50.8	52.0	53.1	58.8	49.9	54.4	74	45	50	50	50	51	50	90	91	87	86	88			
November	29.97	30.07	30.26	29.54	52.8	52.1	53.6	54.4	50.7	50.3	50.6	51.3	57.3	49.4	53.4	65	44	49	48	48	48	48	87	89	82	81	85			
December	29.78	29.88	30.38	28.62	45.7	45.0	46.4	46.0	42.4	42.0	43.2	42.8	49.0	41.5	45.2	57	38	38	39	40	39	39	76	79	77	77	77			
Year	29.84	29.94	30.34	29.11	44.0	43.4	44.0	43.7	41.9	41.5	41.8	41.8	47.0	40.0	43.5	52	33	39	39	39	40	39	84	86	83	86	85			

TERRE HAUTE, IND.

Airport [$\phi=39^{\circ}29' N.$; $\lambda=87^{\circ}24' W.$] City [$\phi=39^{\circ}29' N.$; $\lambda=87^{\circ}24' W.$]

	(1)		(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)			(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
January	29.50	30.14	30.00	28.59	24.6	22.5	34.9	29.8	23.1	21.4	30.8	27.3	38.4	21.2	29.8	62	—6	20	19	24	23	21	81	86	63	73	76	78	78
February	29.44	30.08	29.78	28.57	28.0	27.0	33.7	31.1	26.5	25.7	30.6	28.9	36.5	24.4	30.4	53	6	24	23	25	25	24	82	84	70	76	78	78	78
March	29.27	29.90	29.64	28.64	39.6	37.2	49.6	46.8	37.1	35.3	42.7	42.0	53.6	36.7	45.2	76	25	34	33	35	36	35	82	85	59	70	74	74	74
April	29.46	30.08	29.78	29.04	49.7	48.7	66.3	61.9	45.9	45.6	53.8	52.7	68.8	47.6	58.2	87	33	42	42	44	45	43	76	79	47	56	64	64	64
May	29.38	30.00	29.68	29.03	58.8	57.5	71.9	67.3	55.2	54.6	60.7	59.5	74.3	55.0	64.6	91	41	53	52	54	54	53	81	84	54	65	71	71	71
June	29.35	29.96	29.60	29.01	67.0	67.5	80.9	77.1	65.1	65.1	70.8	70.1	83.2	64.7	74.0	94	48	64	64	66	67	65	91	88	62	72	78	78	78
July	29.41	30.01	29.59	29.21	70.9	70.8	85.2	82.3	68.6	68.2	73.8	74.3	87.6	68.6	78.1	98	56	68	67	69	71	69	89	88	59	69	76	76	76
August	29.42	30.03	29.69	29.19	67.7	66.3	82.6	78.7	65.7	64.6	71.1	70.8	83.9	65.8	74.8	94	50	65	64	66	67	65	90	92	58	68	77	77	77
September	29.44	30.05	29.91	29.17	60.0	58.1	75.5	68.0	57.7	56.3	64.2	61.6	77.0	57.5	67.2	93	32	56	55	57	57	56	88	89	54	70	75	75	75
October	29.41	30.03	29.65	28.79	50.0	47.1	66.7	58.2	47.0	45.3	55.4	51.3	68.4	47.0	57.7	84	24	44	43	46	45	45	80	88	51	64	70	70	70
November	29.44	30.06	29.88	28.86	43.0	39.4	50.9	47.3	40.5	37.9	45.1	43.2	54.4	38.0	46.2	77	22	38	36	38	38	38	82	87	65	72	76	76	76
December	29.48	30.13	29.99	28.87	27.4	25.6	33.1	29.8	26.1	24.7	31.0	28.4	36.0	22.9	29.4	66	3	24	23	27	26	25	86	88	78	84	84	84	84
Year	29.42	30.04	30.00	28.57	48.9	47.3	60.9	56.5	46.5	45.4	52.5	50.8	63.5	45.8	54.6	98	—6	44	43	46	46	45	84	86	60	70	75	75	75

TOLEDO, OHIO

Airport [$\phi=41^{\circ}34' N.$; $\lambda=83^{\circ}28' W.$] City [$\phi=41^{\circ}39' N.$; $\lambda=83^{\circ}32' W.$]

	(1)		(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.35	30.06	29.79	28.47	24.1	22.6	31.1	27.0	22.4	21.2	27.6	25.0	32.8	20.2	26.5	53	—8	18	18	21	20	20	78	82	66	76	75	
February	29.34	30.05	29.76	28.68	21.1	19.0	27.4	24.9	20.2	18.2	25.1	23.6	28.8	18.1	23.4	44	1	18	16	20	20	19	87	87	73	82	82	
March	29.16	29.86	29.55	28.13	35.1	33.5	41.7	38.7	33.0	31.6	37.1	35.5	45.2	32.1	38.6	67	24	30	29	31	31	30	81	82	67	74	76	
April	29.39	30.08	29.68	28.95	45.4	44.6	61.8	56.4	41.8	41.7	49.4	47.9	64.1	43.5	53.8	89	31	38	39	37	40	38	76	80	45	57	64	
May	29.31	29.99	29.67	28.92	55.1	56.0	67.7	64.1	51.9	52.6	57.8	56.9	70.0	52.7	61.4	92	40	49	50	51	52	50	82	81	58	66	72	
June	29.29	29.97	29.57	28.95	62.9	65.6	77.5	72.5	60.5	62.0	66.5	64.8	78.2	61.5	69.8	92	48	59	60	60	60	60	88	82	57	67	74	
July	29.33	30.00	29.50	29.12	66.7	67.9	82.0	78.3	63.7	64.7	69.0	69.0	83.7	65.3	74.5	97	53	62	63	62	64	63	85	85	53	63	71	
August	29.37	30.05	29.69	29.09	63.8	63.6	77.2	72.1	62.1	61.8	67.9	67.3	78.3	62.5	70.4	97	47	61	61	63	65	62	91	91	63	78	81	
September	29.37	30.06	29.85	29.01	56.6	55.0	70.2	62.7	54.8	53.5	61.3	58.9	72.2	54.6	63.4	89	33	53	52	56	56	54	89	90	61	80	80	
October	29.33	30.02	29.69	28.69	48.7	45.9	60.2	53.5	46.6	44.2	52.4	49.6	62.1	45.9	54.0	82	28	45	42	46	46	45	86	88	61	76	78	
November	29.36	30.05	29.83	28.78	39.1	36.6	45.5	42.4	36.7	34.5	37.4	39.6	50.1	34.4	42.2	69	21	34	32	35	36	34	82	82	68	78	77	
December	29.37	30.08	29.93	28.64	23.3	21.4	27.6	25.7	22.3	20.5	26.0	24.5	30.2	20.8	25.5	52	3	20	18	22	22	21	86	85	80	84	84	
Year	29.33	30.02	29.93	28.13	45.2	44.3	55.8	51.5	43.0	42.2	48.1	46.9	58.0	42.6	50.3	97	—8	41	40	42	43	41	84	85	63	73	76	

TAMPA, FLA.

Airport [$\phi=27^{\circ}55' N.$; $\lambda=82^{\circ}27' W.$]

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MONTHLY AND ANNUAL SUMMARIES

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TATOOSH ISLAND, WASH.
 [H=98 ft.; H_b=86 ft.; H_i=9 ft.; H_r=3 ft.; H_a=61 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	In. 4.54	In. 0.85	In. 1.0	7.8	Mi. 22.4	e.	62	e.	23	5	4	22	17	14	3	1	0	3	0	0	0	0	0	0	1	0	0
February	2.90	.81	T	7.0	13.4	e.	50	e.	8	4	11	13	15	11	1	0	0	3	0	0	0	0	0	0	0	0	0
March	5.71	1.05	T	7.8	15.5	s.	54	s.	17	4	6	21	23	19	7	0	8	6	0	0	0	0	0	0	0	0	0
April	4.10	1.22	.0	8.5	14.5	e.	53	sw.	7	1	5	24	19	15	0	0	2	6	1	1	0	0	0	0	0	0	0
May	1.61	.58	.0	8.6	9.5	w.	32	e.	1	0	4	27	18	11	0	0	0	4	3	4	0	0	0	0	0	0	0
June	5.30	2.21	.0	7.6	10.7	w.	38	e.	2	4	4	22	12	8	0	0	0	6	3	1	2	0	0	0	0	0	0
July	3.47	1.23	.0	7.5	10.9	s.	37	sw.	4	3	8	20	11	10	0	0	0	16	10	10	9	0	0	0	0	0	0
August	.23	.11	.0	6.9	11.5	s.	37	e.	2	5	11	15	10	1	0	0	0	18	14	14	18	0	0	0	0	0	0
September	1.54	1.22	.0	6.5	10.1	s.	32	s.	1	8	4	18	6	3	0	0	0	20	8	13	15	0	0	0	0	0	0
October	7.61	2.47	.0	7.2	14.5	e.	47	s.	9	4	10	17	18	13	0	0	0	17	5	7	7	0	0	0	0	0	0
November	9.78	2.93	T	8.1	19.3	e.	74	s.	21	1	11	18	22	21	2	0	5	4	1	0	0	0	0	0	0	0	0
December	12.11	1.73	.9	8.8	16.3	e.	59	s.	17	0	6	25	28	27	1	1	8	15	5	4	5	0	0	0	0	0	1
Year	58.90	2.93	1.9	7.7	14.1	e.	74	s.	112	39	84	242	199	153	14	2	23	118	50	54	56	0	0	0	1	0	1

TERRE HAUTE, IND.

Airport [H=488 ft.; H_b=488 ft.; H_i=4 ft.; H_r=4 ft.; H_a=36 ft.] City [H=575 ft.; H_b=575 ft.; H_i=68 ft.; H_r=61 ft.; H_a=149 ft.]

January	1.24	0.84	0.8	5.3	10.6	sw.	34	sw.	2	12	5	14	8	4	7	3	0	15	7	6	4	9	0	0	26	5	0
February	4.05	1.51	3.8	7.3	10.1	nw.	31	nw.	0	3	9	16	12	5	19	7	0	9	3	3	2	8	0	0	24	0	2
March	3.99	1.38	7.8	7.3	11.2	sw.	36	sw.	1	4	10	17	15	12	8	5	0	10	4	2	1	0	0	0	11	0	3
April	2.95	1.15	T	5.0	10.8	s.	33	ne.	2	10	12	8	7	7	2	0	0	2	1	1	0	0	0	0	0	0	2
May	5.02	2.21	.0	6.7	9.9	s.	33	nw.	1	2	19	10	15	11	0	0	1	7	2	2	2	0	0	0	0	0	12
June	8.37	2.42	.0	6.7	7.4	se.	36	sw.	1	6	6	18	17	15	0	0	0	8	0	0	0	8	0	0	0	0	14
July	4.39	1.18	.0	4.6	7.8	sw.	27	nw.	0	10	18	3	12	8	0	0	0	11	4	1	0	0	10	1	0	0	13
August	1.32	.64	.0	6.2	7.3	sw.	24	ne.	0	5	15	11	7	5	0	0	0	13	3	3	2	7	0	0	0	0	4
September	2.04	1.11	.0	4.5	8.4	s.	27	nw.	0	12	11	7	8	7	0	0	0	14	2	1	0	0	3	0	1	0	5
October	1.88	1.28	T	5.2	8.8	sw.	31	se.	0	9	13	9	8	3	1	0	0	11	4	3	1	0	0	0	3	0	1
November	7.62	4.06	T	6.7	11.5	s.	32	sw.	1	6	9	15	12	10	2	0	0	14	3	2	1	0	0	0	9	0	3
December	1.48	.40	9.5	8.1	10.0	nw.	31	nw.	0	3	6	22	15	8	12	8	0	11	5	5	1	12	0	0	24	0	1
Year	44.35	4.06	21.9	6.1	9.5	sw.	36	sw.	8	82	133	150	136	95	51	23	1	125	38	29	14	29	30	1	98	5	60

TOLEDO, OHIO

Airport [H=621 ft.; H_b=628 ft.; H_i=5 ft.; H_r=4 ft.; H_a=47 ft.] City [H=589 ft.; H_b=628 ft.; H_i=79 ft.; H_r=72 ft.; H_a=87 ft.]

January	1.75	1.07	1.1	7.1	11.4	w.	35	w.	3	6	5	20	8	5	10	4	0	10	4	4	1	12	0	0	30	4	0
February	2.70	.86	9.0	6.8	10.5	nw.	27	n.	0	6	6	16	13	10	18	10	0	6	1	0	0	18	0	0	25	0	0
March	3.02	1.08	2.5	7.5	11.9	w.	35	w.	2	5	5	21	14	11	12	8	0	7	2	2	0	0	0	0	17	0	2
April	2.40	1.03	.8	4.1	10.1	sw.	35	e.	1	16	7	7	8	6	3	3	0	3	1	1	1	0	0	0	4	0	0
May	2.51	.86	.0	5.1	9.8	w.	28	nw.	0	14	8	9	11	8	0	0	0	2	0	0	0	1	0	0	0	0	5
June	3.47	1.34	.0	3.5	8.4	e.	23	w.	0	20	6	4	9	7	0	0	0	1	0	0	0	1	0	0	0	0	8
July	3.47	1.39	.0	2.3	8.6	w.	24	w.	0	25	6	0	8	8	0	0	0	1	0	0	0	6	2	0	0	0	8
August	3.81	.96	.0	3.9	7.5	w.	27	w.	0	14	14	3	10	9	0	0	0	7	2	1	0	0	0	0	0	0	7
September	2.40	.65	T	3.9	8.1	sw.	26	nw.	0	12	14	4	14	11	1	0	0	0	0	0	0	0	0	0	0	0	3
October	2.21	.63	.0	4.9	8.6	w.	26	w.	0	15	2	14	11	8	0	0	0	9	3	1	0	0	0	0	3	0	1
November	3.25	1.39	4.5	7.0	10.4	w.	30	w.	0	6	7	17	12	8	7	2	0	7	4	4	3	2	0	0	13	0	1
December	2.06	.60	8.5	7.9	10.5	w.	37	w.	1	4	6	21	16	10	19	10	0	10	3	3	3	15	0	0	26	0	1
Year	33.05	1.39	26.4	5.3	9.6	w.	37	w.	7	143	86	136	134	101	70	37	0	63	20	16	8	47	8	2	118	4	36

TAMPA, FLA.

[H=8 ft.; H_b=11 ft.; H_i=6 ft.; H_r=3 ft.; H_a=43 ft.]

January	3.21	1.63	0.0	4.9	10.2	n.	29	s.	0	12	7	12	11	8	0	0	0	9	6	5	4	0	0	0	1	0	0
February	3.52	2.36	.0	5.1	11.4	n.	32	nw.	1	10	11	7	9	7	0	0	0	8	0	0	0	0	0	0	0	0	1
March	5.68	1.96	.0	5.9	11.6	e.	35	sw.	3	9	9	13	10	8	0	0	0	9	2	2	2	0	0	0	0	0	3
April	1.64	1.49	.0	3.8	10.4	e.	27	e.	0	14	11	5	4	3	0	0	0	3	2	2	2	0	0	0	0	0	1
May	1.23	.45	.0	4.0	9.1	e.	32	ne.	1	16	13	2	6	5	0	0	0	6	0	1	1	0	3	0	0	0	5
June	6.80	2.10	.0	4.6	9.0	e.	29	s.	0	7	13	10	16	14	0	0	0	1	0	0	0	13	0	0	0	0	18
July	5.28	2.19	.0	4.6	7.6	s.	36	s.	2	8	21	2	14	8	0	0	0	1	0	0	0	27	4	0	0	0	23
August	4.34	1.03	.0	5.7	8.9	e.	40	s.	2	2	24	5	19	17	0	0	0	0	0	0	0	26	0	0	0	0	20
September	3.93	1.33	.0	7.5	8.8	e.	38	s.	1	2	12	16	17	14	0	0	0	5	1	1	0	0	18	2	0	0	15
October	.03	.02	.0	2.3	9.5	n.	25	ne.	0	23	8	0	2	0	0	0	0	10	0	0	0	0	0	0	0	0	0
November	.10	.10	.0	4.1	10.5	ne.	27	ne.	0	13	14	3	1	1	0	0	0	4	0	0	0	0	0	0	0	0	0
December	2.90	1.32	.0	5.5	9.2	n.	27	sw.	0	10	12	9	10	10	0	0	0	15	4	6	3	0	0	0	0	0	1
Year	38.66	2.36	.0	5.0	9.7	e.	40	s.	10	126	155	84	119	95	0	0	1	70	15	17	12	0	87	6	1	0	87

TRENTON, N. J.
[$\phi=40^{\circ}13' N.$; $\lambda=74^{\circ}46' W.$]

Month	Pressure				Temperature (° F.)													Moisture															
	Mean		Extremes		Mean													Extremes								Mean							
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity										
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly						
	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	%	%	%	%	%						
January	29.87	30.08	30.37	29.10	29.1	27.4	34.3	32.4	26.5	25.0	29.7	28.7	37.9	22.6	30.2	59	2	21	19	20	20	20	69	70	56	60	64						
February	29.67	29.88	30.22	28.94	28.0	26.5	34.3	32.0	24.9	23.4	29.0	28.0	37.1	23.2	30.2	53	9	17	15	17	19	17	62	61	48	57	57						
March	29.67	29.88	30.13	28.58	39.9	39.1	47.5	44.2	36.5	36.2	40.6	38.8	51.2	35.4	43.3	68	32	31	32	31	31	32	72	75	56	62	66						
April	29.84	30.04	30.18	29.41	47.9	47.5	61.9	57.1	43.0	42.7	49.6	47.6	66.0	43.0	54.5	90	33	37	37	38	38	37	68	69	44	51	58						
May	29.84	30.04	30.15	29.54	59.4	60.3	73.7	68.5	55.5	56.0	60.9	59.3	76.2	55.4	65.8	94	43	52	52	52	52	52	79	77	48	59	66						
June	29.76	29.96	30.13	29.38	65.6	66.5	77.0	74.1	62.3	62.7	65.7	65.6	79.9	62.3	71.1	90	53	60	60	59	61	60	83	81	56	65	71						
July	29.78	29.98	30.08	29.42	70.7	71.5	82.7	78.0	66.7	66.5	69.6	69.6	84.7	67.3	76.0	96	59	65	64	62	65	64	82	77	52	66	70						
August	29.85	30.05	30.22	29.56	67.8	68.3	78.7	74.0	65.1	64.7	67.8	67.4	80.9	64.5	72.7	90	52	64	62	62	66	64	87	83	58	72	75						
September	29.85	30.05	30.35	29.40	62.4	62.1	74.3	68.0	59.9	59.3	64.0	62.4	76.5	58.2	67.4	90	38	58	57	57	59	58	86	85	57	73	75						
October	29.86	30.06	30.33	29.32	53.2	51.5	63.9	58.2	50.6	49.1	55.5	53.8	65.7	48.8	57.2	83	35	48	47	48	50	48	82	84	60	75	75						
November	29.87	30.08	30.37	29.13	43.4	41.7	51.9	46.5	39.8	38.7	44.9	42.0	54.1	37.6	45.8	75	24	35	35	37	37	36	71	75	57	69	68						
December	29.85	30.07	30.56	28.54	29.8	28.2	34.2	32.0	27.3	26.2	30.4	28.8	37.6	23.8	30.7	58	-2	22	22	23	22	22	71	75	62	65	68						
Year	29.81	30.01	30.56	28.54	49.8	49.2	59.5	55.4	46.5	45.9	50.6	49.3	62.3	45.2	53.7	96	-2	42	42	42	43	42	76	76	54	64	68						

TUCSON, ARIZ.
Airport [$\phi=32^{\circ}7' N.$; $\lambda=110^{\circ}55' W.$]

January	27.42	30.06	27.62	27.05	46.4	42.8	59.2	61.9	41.0	38.3	46.5	48.0	66.9	39.0	53.0	82	27	35	33	33	34	34	66	71	40	38	54
February	27.28	29.90	27.45	27.07	45.2	40.4	57.5	61.5	38.1	35.6	44.4	46.0	64.9	36.8	50.8	78	28	29	29	29	28	29	55	66	37	32	47
March	27.29	29.90	27.61	26.97	49.7	43.4	64.1	68.7	41.0	37.2	47.2	48.9	71.6	39.9	55.8	85	28	30	29	28	27	29	49	59	28	23	40
April	27.25	29.84	27.45	27.06	58.3	50.8	72.1	74.8	46.9	43.1	52.7	52.7	79.3	47.8	63.6	92	37	36	35	35	31	34	46	57	28	24	39
May	27.24	29.80	27.40	27.10	65.8	56.4	84.1	88.8	47.9	43.7	55.9	57.1	91.4	54.8	73.1	103	45	29	29	30	27	29	25	35	14	11	21
June	27.21	29.74	27.36	27.06	77.1	66.0	93.5	98.7	54.3	49.6	60.8	61.4	101.2	64.6	82.9	109	56	33	33	35	30	33	21	30	13	9	18
July	27.31	29.82	27.47	27.15	83.8	77.8	95.8	98.7	65.7	64.5	68.9	68.5	103.7	75.8	89.8	110	70	56	57	55	52	55	41	50	26	22	35
August	27.27	29.80	27.44	27.09	80.2	74.4	90.7	94.0	66.5	65.6	69.1	68.9	98.2	72.1	85.2	104	64	59	61	58	56	58	51	64	35	30	45
September	27.26	29.80	27.43	27.09	76.4	70.5	89.5	91.0	61.8	59.0	65.5	65.3	95.6	67.6	81.6	102	62	52	51	51	49	50	46	52	29	28	39
October	27.32	29.89	27.53	26.98	64.2	59.2	77.4	77.7	52.3	50.3	57.6	57.1	83.2	55.7	69.4	94	38	42	43	42	40	42	47	56	30	29	40
November	27.34	29.94	27.57	27.08	56.4	51.2	72.3	72.9	45.1	42.5	52.8	52.6	78.9	47.4	63.2	86	28	33	32	35	34	33	41	50	26	24	35
December	27.40	30.03	27.63	27.00	48.0	44.4	62.1	62.7	40.9	38.3	48.0	47.7	69.0	39.5	54.2	78	29	32	31	34	32	32	56	60	36	33	46
Year	27.30	29.88	27.63	26.97	62.6	56.4	76.5	79.3	50.1	47.3	55.8	56.2	83.7	53.4	68.6	110	27	39	39	39	37	38	45	54	28	25	38

VALENTINE, NEBR.
City [$\phi=42^{\circ}50' N.$; $\lambda=100^{\circ}32' W.$]

January	27.37	30.20	27.75	26.91	19.9	16.6	30.0	28.5	18.0	15.2	24.9	24.4	36.4	11.7	24.0	57	-23	14	12	16	18	15	77	79	57	64	69
February	27.26	30.08	27.50	26.90	21.2	18.3	27.2	28.3	19.8	17.4	24.0	24.9	33.4	14.0	23.7	53	-12	17	15	18	19	17	85	85	68	69	77
March	27.16	29.93	27.63	26.70	30.6	27.5	37.2	38.6	28.6	26.1	32.4	33.5	42.9	24.7	33.8	67	13	26	24	26	27	25	80	85	64	64	74
April	27.19	29.91	27.62	26.60	45.7	42.0	55.3	58.3	41.4	39.1	45.7	47.2	62.6	38.4	50.5	83	24	37	36	36	36	36	72	80	52	47	63
May	27.20	29.91	27.59	26.67	48.8	45.6	57.9	59.0	46.3	44.2	49.9	50.4	63.4	42.0	52.7	87	30	44	43	43	43	43	86	90	62	61	75
June	27.23	29.91	27.65	26.93	61.5	57.9	70.4	71.3	58.5	55.7	59.5	60.7	75.1	55.2	65.2	84	42	56	54	52	54	54	84	88	54	57	71
July	27.30	29.96	27.64	27.00	67.5	63.0	81.0	83.2	60.9	59.3	64.5	65.3	87.5	60.2	73.8	101	50	57	57	55	55	56	70	82	43	40	59
August	27.27	29.93	27.58	27.02	67.6	62.2	79.5	81.4	60.8	58.6	63.7	63.8	85.8	59.8	72.8	98	47	57	56	55	54	56	70	82	44	40	59
September	27.30	30.01	27.63	26.98	52.9	48.7	64.6	65.7	48.6	46.3	52.5	52.3	71.0	44.5	57.8	98	25	45	44	43	42	43	75	85	49	45	63
October	27.28	30.02	27.67	26.87	45.1	39.0	59.0	67.7	39.6	36.1	45.7	45.1	64.3	36.1	50.2	91	14	34	33	33	33	33	66	78	39	41	56
November	27.22	29.99	27.78	26.51	31.7	28.4	43.6	40.5	27.3	25.5	34.9	32.7	49.9	22.4	36.2	73	1	21	20	23	21	22	66	72	49	48	59
December	27.26	30.07	27.80	26.93	24.4	21.7	30.9	30.8	22.3	20.1	27.2	27.1	38.8	15.7	27.2	53	-10	18	17	21	21	19	76	80	66	66	72
Year	27.25	29.99	27.80	26.51	43.1	39.2	53.0	53.6	39.3	37.0	43.7	44.0	59.3	35.4	47.3	101	-23	36	34	35	35	35	76	82	54	54	66

VICKSBURG, MISS.
[$\phi=32^{\circ}22' N.$; $\lambda=90^{\circ}53' W.$]

January	29.92	30.20	30.36	29.37	35.8	32.8	51.2	42.1	33.5	30.8	43.3	37.7	54.4	35.2	44.8	74	10	30	28	34	32	31	79	80	54	66	70
February	29.79	30.06	30.13	29.13	40.8	37.3	51.4	47.6	38.1	35.3	44.1	42.3	55.4	38.7	47.0	72	25	34	32	35	36	34	79	82	57	65	71
March	29.68	29.95	30.09	29.25	50.8	44.6	62.3	60.0	47.3	42.7	53.1	52.1	66.6	48.2	57.4	83	33	44	41	44	44	43	78	87	56	59	70
April	29.79	30.05	30.11	29.37	57.3	53.9	72.8	68.9	54.5	52.3	61.9	60.3	76.7	57.3	67.0	89	40	52	51	54	54	53	84	91	56	61	73
May	29.74	30.00	29.93	29.41	61.2	61.1	78.7	73.9	59.4	59.8	67.7	66.7	81.1	62.3	71.7	94	52	58	59	62	63	60	91	93	57	69	77
June	29.67	29.93	29.91	29.45	70.5	71.3	86.0	80.6	69.0	69.7	75.4	73.7	87.8	70.9	79.4	96	66	68	69	71	71	70	92	92	62	73	80
July	29.81	30.07	29.99	29.66	72.7	73.3	88.8	84.8	71.0	71.8	77.2	76.4	90.0	73.8	81.9	96	70	70	71	73	73	72	92	93	60	70	79
August	29.76	30.02	29.91	29.66	72.5	71.5	88.2	81.4	70.8	70.2	77.1	75.0	89.1	73.0	81.0	93	69	70	70	73	72	71	93	94	61	75	81
September	29.78	30.03	30.08	29.48	64.0	61.7	81.8	73.4	62.5	60.5	69.8	68.5	83.9	64.3	74.1	92	41	62	60	64	66	63	92	93	55	78	80
October	29.76	30.02	30.03	29.35	55.0	51.9	76.6	64.0	53.5	50.7	63.8	59.9	78.1	58.1	68.1	87	40	52	50	56	57	54	91	93	52	80	79
November	29.85	30.11	30.23	29.40	50.9	46.2	67.5	56.8	48.7	44.8	56.5	52.2	71.4	49.9	60.6	83	35	46	43	47	48	46	85	90	50	74	75
December	29.84	30.11	30.24	29.27	44.6	42.1	55.0	48.3	42.7	40.5	49.3	44.8	59.2	41.5	50.4	79	34	41	39	44	41	41	86	88	68	78	80
Year	29.78	30.04	30.36	29.13	56.3	54.0	71.7	65.2	54.2	52.4	61.6	59.1	74.5	56.1	65.3	96	10	52	51	55	55	53	87	90	57	71	76

MONTHLY AND ANNUAL SUMMARIES

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TRENTON, N. J.

[H=56 ft.; H_b=190 ft.; H_t=89 ft.; H_r=84 ft.; H_a=107 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snow/fall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	
January	In. 2.82	In. 0.79	In. 6.4	5.5	Mi. 9.6	nw.	31	w.	0	11	8	12	9	9	6	4	0	5	1	1	1	8	0	0	26	0	1
February	2.08	.93	.4	5.3	12.3	nw.	34	ne.	1	11	8	9	5	4	6	1	0	6	4	1	0	7	0	0	25	0	0
March	5.47	1.01	1.7	6.3	10.8	nw.	38	s.	4	8	10	13	13	12	5	2	1	10	2	2	2	0	0	0	3	0	1
April	1.27	1.19	.0	5.8	9.7	nw.	26	n.	0	9	8	13	4	2	0	0	0	6	0	0	0	0	0	0	0	0	0
May	1.95	1.24	.0	5.6	9.8	s.	26	se.	0	8	13	10	7	5	0	0	0	13	1	1	0	0	1	0	0	0	5
June	1.24	.48	.0	6.5	7.4	s.	22	nw.	0	5	11	14	13	8	0	0	0	18	4	3	1	0	0	0	0	0	4
July	4.35	1.00	.0	7.2	6.0	s.	26	sw.	0	8	13	10	15	12	0	0	0	13	1	1	1	0	4	1	0	0	10
August	4.69	1.78	.0	6.3	6.4	s.	28	sw.	0	5	11	15	9	9	0	0	0	19	0	0	0	0	1	0	0	0	3
September	2.09	.90	.0	5.0	7.2	n.	31	nw.	0	12	7	11	9	5	0	0	0	11	1	1	1	0	1	0	0	0	3
October	3.51	1.43	.0	5.5	8.0	s.	24	nw.	0	10	7	14	10	7	0	0	0	14	3	2	2	0	0	0	0	0	0
November	3.17	.90	T	5.5	9.6	nw.	32	s.	1	12	6	12	9	8	1	0	0	7	2	0	0	0	0	0	7	0	2
December	4.27	1.56	7.1	6.6	9.8	nw.	33	w.	1	5	12	14	15	11	10	6	0	13	6	6	4	6	0	0	23	2	2
Year	36.91	1.78	15.6	5.8	8.9	nw.	38	s.	7	104	114	147	118	92	28	13	1	135	25	18	12	21	7	1	84	2	31

TUCSON, ARIZ.

Airport [H=2,555 ft.; H_b=2,555 ft.; H_t=6 ft.; H_r=4 ft.; H_a=30 ft.]

January	0.50	0.38	0.0	4.6	-----	se.	-----	-----	-----	9	16	6	2	2	0	0	0	1	0	0	0	0	0	0	4	0	0
February	1.92	1.49	T	5.6	-----	se.	-----	-----	-----	10	8	10	4	3	2	1	1	0	0	0	0	0	0	0	7	0	0
March	.23	.23	.0	3.7	-----	se.	-----	-----	-----	16	8	7	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0
April	.79	.68	.0	3.9	-----	nw.	-----	-----	-----	13	11	6	3	2	0	0	1	0	0	0	0	0	1	0	0	0	1
May	.00	.00	.0	1.5	-----	w.	-----	-----	-----	25	5	1	0	0	0	0	0	0	0	0	0	0	21	12	0	0	0
June	.00	.00	.0	1.8	-----	w.	-----	-----	-----	24	5	1	0	0	0	0	0	0	0	0	0	0	30	27	0	0	0
July	.68	.29	.0	4.2	-----	s.	-----	-----	-----	14	14	3	9	5	0	0	0	0	0	0	0	0	31	29	0	0	13
August	.90	.49	.0	4.1	-----	nw.	-----	-----	-----	15	10	6	9	3	0	0	1	0	0	0	0	0	30	25	0	0	11
September	1.78	.93	.0	2.5	-----	se.	-----	-----	-----	21	5	4	6	4	0	0	0	0	0	0	0	0	27	18	0	0	4
October	.60	.22	.0	3.5	-----	se.	-----	-----	-----	17	10	4	6	4	0	0	0	0	0	0	0	0	6	0	0	0	4
November	.60	T	.0	2.4	-----	se.	-----	-----	-----	21	7	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
December	.47	.24	.0	3.1	-----	se.	-----	-----	-----	18	7	6	4	4	0	0	0	1	1	1	1	0	0	0	3	0	1
Year	7.87	1.49	T	3.4	-----	se.	-----	-----	-----	203	106	56	44	28	2	1	3	2	1	1	1	0	146	111	16	0	34

VALENTINE, NEBR.

[H=2,581 ft.; H_b=2,598 ft.; H_t=46 ft.; H_r=36 ft.; H_a=54 ft.]

January	0.13	.08	0.7	4.8	9.0	w.	31	nw.	0	12	10	9	4	1	9	3	0	0	0	0	0	11	0	0	30	9	0
February	.97	.54	9.7	6.6	7.0	n.	26	n.	0	6	8	14	8	5	17	8	0	0	0	0	3	13	0	0	28	6	0
March	1.96	.66	15.6	6.3	11.1	nw.	34	nw.	2	9	7	15	7	4	15	7	0	3	1	0	2	4	0	0	29	0	2
April	3.50	1.61	T	6.5	11.8	s.	32	se.	2	5	11	14	9	5	2	0	1	1	1	0	0	0	0	0	9	0	4
May	5.59	2.48	5.5	7.0	10.8	n.	30	s.	0	4	11	16	12	9	2	1	1	0	4	2	1	0	0	0	5	0	8
June	2.98	1.18	.0	6.3	8.8	n.	31	se.	0	6	15	9	14	11	0	0	4	2	1	0	1	0	0	0	0	15	
July	3.05	1.54	.0	4.5	7.7	n.	30	w.	0	11	18	2	11	8	0	0	1	3	0	0	0	0	13	4	0	16	
August	1.27	.79	.0	4.5	8.9	s.	31	sw.	0	12	14	5	5	4	0	0	1	0	2	0	1	0	10	2	0	8	
September	.86	.44	.2	5.4	8.3	s.	38	nw.	1	10	8	12	6	4	1	1	0	3	5	1	1	0	2	1	5	0	3
October	.59	.39	T	5.1	8.7	w.	33	nw.	1	11	9	11	4	3	1	0	0	3	1	1	2	1	1	0	10	0	2
November	.28	.15	2.5	5.9	8.7	w.	34	s.	1	6	13	11	4	3	9	4	0	3	0	0	4	0	0	0	26	0	0
December	.11	.08	0.7	6.3	.80	w.	26	nw.	0	9	6	16	3	1	9	2	0	7	3	0	0	8	0	0	30	2	0
Year	21.29	2.48	34.9	5.8	9.1	w.	38	nw.	7	101	130	134	87	58	65	26	8	25	18	5	11	41	26	7	172	17	58

VICKSBURG, MISS.

[H=234 ft.; H_b=247 ft.; H_t=82 ft.; H_r=74 ft.; H_a=102 ft.]

January	1.88	0.71	T	4.5	9.1	n.	30	w.	0	14	7	10	5	5	2	0	0	1	2	0	2	0	0	10	0	2	
February	3.82	2.69	T	6.8	9.5	n.	29	sw.	0	6	5	17	6	6	1	0	0	0	0	0	0	0	0	7	0	2	
March	5.48	1.62	T	5.6	10.1	s.	25	se.	0	11	6	14	11	11	1	0	1	3	0	0	1	0	0	0	0	3	
April	2.65	1.23	.0	6.2	9.0	se.	23	sw.	0	6	10	14	7	5	0	0	1	1	0	0	0	0	0	0	0	8	
May	5.15	3.76	.0	5.9	7.5	se.	38	w.	1	4	16	11	8	7	0	0	0	4	1	0	1	0	3	0	0	8	
June	4.11	2.07	.0	6.4	7.0	s.	23	nw.	0	4	15	11	15	10	0	0	0	2	0	0	0	13	1	0	0	16	
July	.39	.15	.0	5.1	6.3	sw.	27	ne.	0	8	15	8	7	3	0	0	0	2	1	0	1	0	19	1	0	9	
August	2.05	.81	.0	6.4	7.4	e.	23	sw.	0	4	14	13	11	7	0	0	0	2	1	0	1	0	11	0	0	11	
September	1.81	.83	.0	4.8	7.8	n.	23	sw.	0	11	14	5	6	5	0	0	0	1	0	0	0	10	0	0	0	5	
October	3.73	2.53	.0	4.5	7.5	n.	24	s.	0	12	11	8	5	2	0	0	0	2	1	0	1	0	0	0	0	2	
November	1.13	.85	.0	4.0	9.2	se.	28	se.	0	16	6	8	5	4	0	0	1	1	0	0	0	0	0	0	0	2	
December	5.59	3.22	.0	6.6	9.2	n.	30	nw.	0	7	6	18	11	7	0	0	0	1	1	0	0	0	0	0	0	3	
Year	37.79	3.76	T	5.6	8.3	se.	38	w.	1	103	125	137	97	72	4	0	3	20	7	0	7	2	56	2	17	0	71

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

WALLA WALLA, WASH.
[$\phi=46^{\circ}02' N.$; $\lambda=118^{\circ}20' W.$]

Month	Pressure				Temperature (° F.)														Moisture																			
	Mean		Extremes		Mean														Extremes										Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulb				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity															
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly											
	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°				
January	29.24	30.37	29.64	28.61				25.1					23.8	28.5	19.3	23.9	55	0					21										85					
February	28.98	30.08	29.32	28.52				42.3					37.4	44.5	31.7	38.1	55	22					31										66					
March	28.99	30.06	29.35	28.53				54.9					43.2	56.6	37.4	47.0	79	30					38										38					
April	28.82	29.88	29.27	28.39				63.7					49.7	65.7	44.9	55.3	85	36					35										36					
May	28.90	29.95	29.26	28.53				66.1					53.0	68.3	48.0	58.2	88	36					41										43					
June	28.91	29.96	29.15	28.60				74.3					56.3	75.7	53.5	64.6	98	48					41										32					
July	28.90	29.94	29.16	28.62				88.8					63.4	90.2	63.6	76.9	106	54					45										25					
August	28.85	29.88	29.10	28.59				89.2					62.9	90.3	62.4	76.4	105	47					44										22					
September	28.91	29.96	29.30	28.64				79.6					58.1	80.9	54.9	67.9	93	41					40										26					
October	29.01	30.07	29.35	28.66				65.6					52.4	68.4	46.5	57.4	85	34					41										42					
November	28.95	30.03	29.53	28.04				43.0					39.3	47.1	35.2	41.2	67	24					35										75					
December	28.99	30.07	29.37	28.50				40.9					37.8	44.8	32.8	38.8	64	24					34										79					
Year	28.95	30.02	29.64	28.04				61.1					48.1	63.4	44.2	53.8	106	0					36									47						

WASHINGTON, D. C.

Airport [$\phi=38^{\circ}52' N.$; $\lambda=77^{\circ}03' W.$] City [$\phi=38^{\circ}54' N.$; $\lambda=77^{\circ}03' W.$]

	(1)	(1)	(1)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
January	29.97	30.10	30.48	29.24	32.6	30.8	39.3	37.1	29.7	28.5	33.9	32.4	42.4	27.3	34.8	65	7	25	24	25	24	24	73	76	56	59	66	66	66	66	66	66	66
February	29.82	29.95	30.31	29.13	31.4	28.6	38.2	36.6	27.4	25.6	31.7	30.8	41.9	26.4	34.2	59	12	19	18	19	19	19	57	64	44	48	53	53	53	53	53	53	53
March	29.77	29.90	30.19	28.62	43.7	40.9	51.6	50.1	39.6	37.6	43.4	42.8	56.1	38.6	47.4	76	30	34	33	33	34	34	71	74	52	56	63	63	63	63	63	63	63
April	29.94	30.06	30.24	29.53	52.4	50.2	66.1	62.8	47.6	45.5	52.5	51.6	70.8	47.3	59.0	92	35	41	40	40	41	41	66	70	41	48	56	56	56	56	56	56	56
May	29.91	30.03	30.20	29.62	63.5	62.2	74.7	71.5	58.4	57.7	62.7	61.5	78.7	59.5	69.1	96	48	55	54	55	56	55	74	76	51	61	66	66	66	66	66	66	66
June	29.85	29.97	30.17	29.48	69.6	69.4	79.1	77.0	65.6	65.4	68.4	68.4	82.8	66.0	74.4	95	58	63	63	62	64	63	81	81	59	66	72	72	72	72	72	72	72
July	29.88	30.00	30.13	29.64	74.1	73.7	84.4	80.6	69.6	68.6	71.9	71.5	87.7	69.9	78.8	99	64	67	66	66	67	67	80	78	55	66	70	70	70	70	70	70	70
August	29.94	30.06	30.31	29.64	70.9	70.1	79.8	75.7	67.6	66.7	69.8	70.1	83.2	66.9	75.0	93	51	66	65	64	67	66	85	84	61	76	74	74	74	74	74	74	74
September	29.94	30.06	30.45	29.50	66.2	64.6	76.5	71.6	62.9	61.6	65.8	65.4	79.7	61.2	70.4	91	38	60	60	59	61	60	83	84	56	71	74	74	74	74	74	74	74
October	29.93	30.06	30.35	29.44	56.2	54.0	65.4	61.5	53.1	51.6	56.8	56.3	68.6	52.0	60.3	81	31	50	49	49	52	50	81	85	60	72	74	74	74	74	74	74	74
November	30.00	30.11	30.43	29.31	45.1	43.3	54.1	49.0	41.5	39.8	45.7	43.4	56.9	39.7	48.3	79	25	37	35	36	37	36	73	73	51	63	65	65	65	65	65	65	65
December	29.97	30.10	30.60	28.84	33.1	31.0	37.7	35.8	30.5	28.7	33.3	32.4	41.8	27.9	34.8	50	4	25	24	25	26	25	73	75	62	68	70	70	70	70	70	70	70
Year	29.91	30.03	30.60	28.62	53.2	51.6	62.2	59.1	49.5	48.1	53.0	52.2	65.9	48.6	57.2	99	4	45	44	44	46	45	75	77	54	63	67	67	67	67	67	67	67

WICHITA, KANS.

Airport [$\phi=37^{\circ}38' N.$; $\lambda=97^{\circ}16' W.$]

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TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

WALLA WALLA, WASH.
 [H=949 ft.; H_b=991 ft.; H_t=57 ft.; H_r=50 ft.; H_a=65 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																	
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below	Thunderstorm
January	<i>In.</i> 1.36	<i>In.</i> 0.51	<i>In.</i> 10.4	9.1	<i>Mi.</i> 3.8	<i>s.</i>	22	<i>se.</i>	0	2	2	27	9	6	13	5	0	14	9	6	3	23	0	0	27	0	0
February	1.36	.40	7.5	7.9	4.9	<i>s.</i>	26	<i>w.</i>	0	3	5	20	12	9	7	6	0	7	6	5	1	1	0	0	15	0	0
March	1.02	.32	T	7.6	6.5	<i>s.</i>	27	<i>sw.</i>	0	4	7	20	10	7	5	0	0	0	0	0	0	0	0	0	4	0	0
April	1.27	.54	T	7.3	6.8	<i>s.</i>	30	<i>w.</i>	0	3	9	18	8	5	1	0	1	0	0	0	0	0	0	0	0	0	2
May	3.56	.91	.0	8.0	6.0	<i>s.</i>	21	<i>sw.</i>	0	2	6	23	15	11	0	0	0	0	0	0	0	0	0	0	0	0	3
June	2.79	1.64	.0	5.7	6.7	<i>s.</i>	21	<i>w.</i>	0	10	8	12	11	7	0	0	0	0	0	0	0	0	2	2	0	0	0
July	.83	.42	.0	2.2	5.9	<i>s.</i>	23	<i>w.</i>	0	23	4	4	5	4	0	0	0	0	0	0	0	0	16	11	0	0	1
August	.09	.09	.0	2.0	5.6	<i>s.</i>	16	<i>sw.</i>	0	23	6	2	1	1	0	0	0	0	0	0	0	0	18	14	0	0	2
September	.04	.03	.0	3.7	5.2	<i>s.</i>	21	<i>sw.</i>	0	17	7	6	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0
October	2.18	.89	.0	4.5	5.2	<i>s.</i>	23	<i>w.</i>	0	13	11	7	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0
November	3.48	1.13	6.1	9.3	6.2	<i>s.</i>	29	<i>nw.</i>	0	0	3	27	14	10	4	3	0	6	6	7	3	1	0	0	8	0	0
December	3.62	.54	10.7	9.3	5.6	<i>s.</i>	23	<i>s.</i>	0	1	1	29	21	15	8	6	1	9	10	7	5	1	0	0	18	0	0
Year	21.60	1.64	34.7	6.4	5.7	<i>s.</i>	30	<i>w.</i>	0	101	69	195	115	80	38	20	2	36	31	25	12	26	38	27	72	0	8

WASHINGTON, D. C.

Airport [H=60 ft.; H_b=64 ft.; H_t=68 ft.; H_r=3 ft.; H_a=89 ft.] City [H=72 ft.; H_b=112 ft.; H_t=56 ft.; H_r=54 ft.; H_a=100 ft.]

January	2.47	0.84	1.8	4.9	7.3	nw.	26	nw.	0	15	6	10	10	7	8	7	0	5	0	0	5	0	0	20	0
February	2.03	1.25	.1	4.6	10.7	nw.	27	nw.	0	13	7	8	5	5	5	1	0	4	2	2	0	3	0	23	0
March	5.96	1.82	11.5	5.8	9.9	nw.	42	w.	3	8	10	13	12	11	5	2	0	4	0	0	0	0	0	2	0
April	.54	.48	.0	4.1	7.9	nw.	27	w.	0	11	14	5	4	2	0	0	1	0	0	0	3	0	0	0	0
May	3.93	2.08	.0	5.1	7.2	se.	24	se.	0	9	15	7	6	6	0	0	1	2	0	0	3	0	0	0	5
June	5.35	3.40	.0	5.9	6.6	nw.	26	nw.	0	8	10	12	12	8	0	0	0	3	0	1	0	0	1	0	7
July	5.40	1.74	.0	5.3	5.6	sw.	36	w.	2	9	14	8	11	8	0	0	0	7	2	0	11	3	0	0	6
August	9.49	6.05	.0	6.0	5.5	s.	19	w.	0	5	15	11	12	9	0	0	0	6	1	0	4	0	0	0	7
September	2.60	1.69	.0	4.8	5.6	nw.	28	nw.	0	11	13	6	8	6	0	0	0	9	2	0	5	0	0	0	2
October	8.33	3.02	.0	5.1	6.8	ne.	24	w.	0	14	5	12	12	9	0	0	0	24	2	0	0	0	1	0	3
November	2.10	.59	.0	5.1	7.8	nw.	28	nw.	0	8	14	8	9	7	0	0	0	8	0	0	0	0	4	0	1
December	3.83	1.29	5.7	6.9	8.2	w.	37	w.	1	6	7	18	16	13	8	5	0	10	9	2	3	2	0	0	1
Year	52.03	6.05	19.1	5.3	7.4	nw.	42	w.	6	117	130	118	117	91	26	15	1	82	18	5	5	10	30	4	32

WICHITA, KANS.

[H=1,375 ft.; H_b=1,392 ft.; H_t=6 ft.; H_r=4 ft.; H_a=64 ft.]

January	0.23	0.20	2.2	4.1	14.5	nw.	45	n.	4	16	8	7	7	4	1	7	4	0	4	1	1	3	9	0	0	26	5	0
February	1.93	.81	4.3	5.8	14.9	n.	38	n.	6	9	7	12	7	6	4	10	3	0	11	5	6	3	5	0	0	23	0	2
March	.88	.39	T	5.2	16.7	nw.	43	s.	12	11	8	12	5	4	4	4	0	0	8	1	1	1	0	0	0	15	0	5
April	7.08	2.08	.0	6.2	18.6	s.	51	sw.	12	9	7	14	14	12	0	0	0	1	14	0	0	1	0	0	0	0	8	
May	1.67	.54	.0	5.3	16.3	s.	40	s.	11	10	12	9	7	6	0	0	2	10	1	1	1	0	4	0	0	0	5	
June	8.69	2.64	.0	6.2	15.0	s.	50	nw.	11	7	12	11	18	15	0	0	1	6	2	2	1	0	10	0	0	0	18	
July	2.34	1.40	.0	3.7	13.7	s.	31	s.	0	15	13	3	4	3	0	0	0	2	0	0	0	0	21	11	0	0	6	
August	4.51	2.69	.0	4.5	12.4	s.	33	s.	1	15	8	8	10	8	0	0	0	7	1	1	1	0	11	3	0	7		
September	7.21	3.94	T	4.5	13.8	s.	37	s.	4	15	6	9	13	8	1	0	0	10	2	2	2	0	4	0	1	0	7	
October	3.77	1.70	.0	5.0	12.5	s.	39	s.	4	13	7	11	8	6	0	0	0	8	2	2	1	0	0	0	2	0	2	
November	.68	.28	1.3	5.3	16.1	s.	45	s.	6	12	7	11	8	5	4	2	0	10	2	1	2	0	0	0	11	0	0	
December	3.14	1.14	14.8	6.8	11.7	n.	40	n.	4	7	8	16	8	8	10	6	0	23	10	8	12	6	0	0	27	0	1	
Year	42.13	3.94	22.6	5.2	14.7	s.	51	sw.	75	139	103	123	106	82	36	15	4	113	27	25	26	20	50	14	105	5	61	

WILLISTON, N. DAK.

[H=1,877 ft.; H_b=1,878 ft.; H_t=42 ft.; H_r=34 ft.; H_a=50 ft.]

January	0.15	0.07	1.5	3.4	7.3	sw.	31	nw.	0	21	3	7	5	2	8	5	0	0	0	0	12	0	0	31	9
February	.79	.53	9.4	7.3	6.3	sw.	24	nw.	0	4	8	16	8	4	21	8	0	7	2	2	24	0	0	28	0
March	1.12	.52	11.5	6.2	8.9	nw.	34	nw.	1	11	8	12	13	7	16	12	0	3	2	2	6	0	0	29	0
April	1.34	.48	T	5.3	9.5	se.	29	se.	0	12	7	11	7	6	2	0	0	0	0	0	0	0	0	8	0
May	1.53	.36	.0	5.5	8.2	ne.	27	w.	0	10	10	11	10	9	0	0	0	0	0	0	0	0	6	0	3
June	5.56	2.83	.0	5.0	9.2	w.	29	w.	0	12	11	7	13	10	0	0	0	0	0	0	0	0	0	0	5
July	1.14	.28	.0	4.3	6.2	se.	33	w.	1	12	14	5	9	6	0	0	3	1	1	1	1	0	3	0	9
August	1.79	.61	.0	3.9	6.3	se.	24	se.	0	14	12	5	9	7	0	0	2	0	0	0	0	5	2	0	7
September	1.53	.48	2.6	4.9	6.5	se.	31	nw.	0	12	9	9	10	9	1	1	0	0	0	0	3	0	5	0	0
October	.45	.28	2.9	4.2	7.6	nw.	30	nw.	0	15	9	7	5	4	7	2	0	1	1	1	1	3	0	11	0
November	.10	.04	.7	5.6	6.4	sw.	28	w.	0	10	9	11	5	1	13	4	0	3	2	2	2	9	0	28	0
December	.54	.14	6.1	7.1	6.5	se.	26	nw.	0	5	7	19	11	7	18	10	0	4	3	1	0	22	0	31	12
Year	16.04	2.83	34.7	5.2	7.4	se.	24	nw.	2	138	107	120	105	72	86	42	3	21	11	9	8	76	11	2	24

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

WILMINGTON, N. C.
[$\phi = 34^{\circ}14' N.$; $\lambda = 77^{\circ}57' W.$]

Month	Pressure				Temperature (° F.)													Moisture									
	Mean		Extremes		Mean											Extremes		Mean									
	Station level	Sea level	Station level		Dry bulb				Wet bulk				Maximum	Minimum	Monthly	Maximum	Minimum	Dew point					Relative humidity				
			Maximum	Minimum	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.						1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly	1:30 a. m.	7:30 a. m.	1:30 p. m.	7:30 p. m.	Monthly
<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	"	°	°	°	"	°	°	°	°	°	°	°	°	°	"	°	°	°	°	%	%	%	%	%
January	30.04	30.12	30.51	29.39	43.6	40.7	53.0	47.5	40.5	38.2	45.3	42.6	55.8	36.9	46.4	70	17	36	34	36	36	36	76	78	54	66	68
February	29.91	29.99	30.39	29.03	40.6	37.2	47.0	44.1	37.4	34.5	40.1	39.0	50.2	33.9	42.0	70	22	32	30	30	31	31	72	73	52	62	65
March	29.88	29.95	30.19	29.00	52.9	50.0	63.3	57.8	49.6	47.2	53.6	51.3	66.3	47.2	56.8	80	31	46	44	44	45	45	80	80	54	64	69
April	30.02	30.10	30.34	29.52	57.7	56.1	72.2	63.9	54.4	52.4	58.2	56.4	73.9	53.0	63.4	87	38	51	49	46	50	49	79	77	42	62	65
May	29.98	30.05	30.19	29.75	67.2	67.5	77.1	71.8	64.5	64.6	65.1	64.6	79.1	63.5	71.3	84	52	63	63	57	60	61	86	86	53	68	74
June	29.91	29.98	30.19	29.64	73.7	75.2	83.7	78.2	71.1	71.4	72.5	71.5	85.7	70.8	78.2	96	65	70	70	67	68	69	88	83	59	72	76
July	29.96	30.03	30.15	29.78	76.9	78.0	88.3	81.8	74.0	74.3	75.6	75.1	91.0	74.5	82.8	101	68	73	73	70	72	72	88	84	56	74	76
August	29.98	30.06	30.22	29.78	74.6	74.4	83.5	78.3	72.0	71.2	73.0	72.7	85.7	70.8	78.2	95	60	71	70	68	70	70	88	86	61	77	78
September	29.97	30.04	30.31	29.65	71.6	70.6	82.4	76.3	69.0	67.9	70.6	70.3	84.9	67.5	76.2	95	46	67	66	64	67	66	87	87	57	74	76
October	29.95	30.02	30.33	29.61	62.3	60.5	73.4	67.0	59.5	58.1	62.8	61.4	75.5	58.2	66.8	80	41	57	56	55	58	57	84	86	56	73	75
November	30.05	30.13	30.41	29.56	53.8	51.4	65.9	58.5	50.3	48.5	55.3	53.2	68.3	47.3	57.8	80	32	46	45	45	48	46	73	80	50	69	69
December	30.04	30.12	30.57	29.19	45.1	42.2	52.6	48.6	43.6	39.9	46.5	45.4	57.0	38.1	47.6	73	15	41	36	39	41	39	84	80	63	78	76
Year	29.97	30.05	30.57	29.00	60.0	58.6	70.2	64.5	57.2	55.7	59.9	58.6	72.8	55.1	64.0	101	15	54	53	52	54	53	82	82	55	70	72

WINNEMUCCA, NEV.

[$\phi = 40^{\circ}58' N.$; $\lambda = 117^{\circ}43' W.$]

January	25.79	30.31	26.12	25.46	23.0	20.5	26.9	32.2	22.0	19.9	25.3	29.1	35.7	15.9	25.8	46	-11	20	19	23	24	22	88	93	84	74	85
February	25.58	30.03	25.89	25.12	28.4	25.8	34.2	39.1	26.0	24.4	29.7	32.5	41.2	22.1	31.6	54	10	21	22	22	22	22	74	84	62	52	68
March	25.63	30.05	25.96	25.19	34.4	28.7	43.6	50.3	29.1	26.1	34.5	37.2	51.9	24.7	38.3	70	12	21	22	22	19	21	58	76	43	30	52
April	25.52	29.88	25.86	25.17	44.5	37.1	53.2	58.7	37.2	33.3	41.1	42.9	62.2	33.4	47.8	77	20	28	29	27	24	27	54	72	39	29	49
May	25.58	29.93	25.91	25.28	46.6	40.6	56.2	61.2	40.4	37.4	44.6	46.1	64.3	37.3	50.8	88	28	34	34	33	31	33	64	78	45	37	56
June	25.59	29.90	25.88	25.36	57.5	48.0	68.5	75.0	46.2	42.2	50.4	52.0	77.4	45.8	61.6	93	36	35	36	34	31	34	46	66	31	23	41
July	25.64	29.90	25.84	25.44	71.1	59.1	84.8	92.3	51.6	46.9	56.8	58.9	94.5	55.9	75.2	101	45	34	35	34	32	34	27	42	17	12	25
August	25.60	29.86	25.74	25.39	66.3	54.5	80.8	90.0	48.1	43.2	55.0	57.5	91.7	50.6	71.2	101	34	31	32	34	32	32	28	42	20	14	26
September	25.62	29.94	25.92	25.35	54.4	43.1	71.3	79.9	41.6	35.7	50.0	52.8	82.5	39.6	61.0	92	29	27	26	30	28	28	35	51	23	16	31
October	25.70	30.08	25.94	25.37	43.7	36.3	59.2	65.3	36.6	31.8	45.2	47.3	69.9	32.3	51.1	86	18	28	26	31	30	29	54	65	36	28	46
November	25.65	30.08	26.06	25.09	38.2	32.7	43.6	46.9	33.6	30.2	37.3	38.2	52.8	26.8	39.8	75	16	28	27	30	29	28	69	81	60	53	66
December	25.70	30.17	26.08	25.23	32.5	30.7	35.6	37.5	31.2	29.5	32.8	34.5	42.1	25.5	33.8	57	13	30	28	29	31	30	89	90	79	78	84
Year	25.64	30.01	26.12	25.09	45.0	38.1	54.8	60.7	37.0	33.4	41.9	44.1	63.8	34.2	49.0	101	-11	28	28	29	28	28	57	70	45	37	52

YAKIMA, WASH.

[$\phi = 46^{\circ}36' N.$; $\lambda = 120^{\circ}30' W.$]

January	29.15	30.34	29.57	28.55	-----	22.8	24.9	28.6	-----	21.9	23.7	26.7	30.3	20.4	25.4	48	2	-----	20	21	23	21	-----	88	85	78	84
February	28.90	30.07	29.26	28.42	-----	32.2	36.9	42.8	-----	30.6	33.6	36.8	44.2	30.1	37.2	56	22	-----	28	28	28	28	-----	84	72	57	71
March	28.90	30.06	29.25	28.44	-----	35.6	47.5	54.5	-----	32.0	38.6	42.2	56.4	32.5	44.4	73	26	-----	26	26	26	26	-----	69	43	33	48
April	28.73	29.88	29.15	28.33	-----	44.3	58.0	63.6	-----	39.5	45.9	48.5	66.2	41.8	54.0	82	33	-----	34	32	32	33	-----	67	38	32	46
May	28.81	29.96	29.17	28.46	-----	49.4	62.7	66.1	-----	44.7	50.1	52.0	69.1	47.8	58.4	85	35	-----	40	38	38	39	-----	70	40	38	49
June	28.83	29.97	29.10	28.48	-----	54.0	68.8	73.6	-----	47.9	53.8	55.7	76.2	52.3	64.2	99	43	-----	42	41	41	41	-----	65	36	32	44
July	28.82	29.95	29.07	28.58	-----	62.8	80.2	88.1	-----	54.1	60.7	62.7	90.0	61.2	75.6	105	46	-----	47	47	44	46	-----	58	32	24	38
August	28.78	29.90	29.06	28.50	-----	64.4	80.9	88.7	-----	54.5	60.8	62.6	90.6	62.5	76.6	104	48	-----	47	46	44	46	-----	54	31	23	36
September	28.83	29.97	29.22	28.55	-----	55.6	71.5	79.9	-----	48.8	55.8	58.4	81.8	52.9	67.4	94	40	-----	43	43	42	43	-----	63	37	27	42
October	28.92	30.07	29.29	28.49	-----	44.4	57.9	64.8	-----	40.8	48.0	51.5	67.5	40.7	54.1	81	29	-----	37	38	39	38	-----	76	48	40	55
November	28.85	30.02	29.45	27.95	-----	33.8	37.1	39.9	-----	32.1	35.0	36.4	42.5	31.0	36.8	56	24	-----	30	31	32	31	-----	84	79	74	79
December	28.88	30.07	29.27	28.42	-----	27.3	30.1	33.9	-----	26.4	28.7	31.6	36.1	24.0	30.0	53	15	-----	25	26	28	27	-----	90	85	80	85
Year	28.87	30.02	29.57	28.33	-----	43.9	54.7	60.4	-----	39.4	44.6	47.1	62.6	41.4	52.0	105	2	-----	35	35	35	35	-----	72	52	45	56

YUMA, ARIZ.

[$\phi = 32^{\circ}45' N.$; $\lambda = 114^{\circ}36' W.$]

January	29.95	30.10	30.18	29.67	53.8	50.2	62.9	67.1	45.0	42.9	49.1	51.3	69.8	46.5	58.2	80	31	35	34	34	35	34	50	56	34	31	43
February	29.79	29.94	30.01	29.54	53.0	48.0	62.8	67.9	44.5	41.4	48.6	50.7	70.3	44.7	57.5	80	36	34	33	32	32	33	51	58	33	28	42
March	29.79	29.94	30.15	29.48	57.6	51.5	70.2	75.9	46.7	43.6	51.2	53.5	77.8	48.3	63.0	95	41	34	33	30	29	31	43	53	24	19	34
April	29.70	29.85	29.93	29.50	64.8	57.0	74.8	79.9	53.1	49.8	57.0	58.2	82.4	53.8	68.1	92	45	42	43	41	39	41	45	60	32	24	40
May	29.66	29.80	29.85	29.45	71.1	60.9	84.9	91.5	55.1	51.9	59.4	61.6	93.7	58.9	76.3	110	50	41	44	37	36	40	34	54	19	15	31
June	29.58	29.72	29.74	29.40	78.6	67.7	97.0	101.5	61.5	58.3	66.0	67.0	103.6	65.9	84.8	113	58	49	51	47	42	47	37	57	21	14	32
July	29.64	29.78	29.80	29.48	87.6	80.5	101.0	107.9	71.5	69.1	74.7	75.2	110.3	78.1	94.2	117	73	64	63	62	59	62	46	56	29	21	38
August	29.61	29.75	29.82	29.46	85.7	79.3	96.0	102.5	72.1	71.9	74.5	74.7	104.9	77.0	91.0	112	63	65	68	64	60	64	52	70	37	28	47
September	29.60	29.74	29.84	29.40	77.6	69.2	94.3	100.4	62.5	60.1	68.2	67.8	103.1	66.4	84.8	111	60	52	54	51	46	51	43	59	25	16	36
October	29.72	29.87	30.04	29.42	69.1	63.4	83.7	86.4	58.0	56.1	63.7	63.2	90.9	59.8	75.4	104	48	50	50	50	47	49	51	64	32	26	43
November	29.79	29.94	30.18	29.49	58.3	53.5	73.5	75.1	48.9	45.8	54.7	56.2	80.7	50.7	65.7	90	41	39	37	36	39	38	55	56	27	28	41
December	29.89	30.04	30.23	29.50	52.0	48.3	65.7	68.2	45.0	42.3	50.9	52.5	72.5	45.4	59.0	80	39	36	34	35	36	35	57	60	33	28	46
Year	29.73	29.87	30.23	29.40	67.4	60.8	80.6	85.4	55.3	52.8	59.8	61.0	88.3	58.0	73.2	117	31	45	45	43	42	44	47	59	29	24	39

TABLE 16.—Annual meteorological summary for the year ended Dec. 31, 1942—Continued

WILMINGTON, N. C.
 [H=6 ft.; H_b=72 ft.; H_t=73 ft.; H_r=65 ft.; H_a=107 ft.]

Month	Precipitation			Cloudiness 0 to 10	Wind					Number of days—																			
	Total	Maximum in 24 hours	Total snowfall		By self-register					Clear	Partly cloudy	Cloudy	Precipitation		Snow		Hail	Fog				Maximum temperature			Minimum temp.		Thunderstorm		
					Average hourly velocity	Prevailing direction	Maximum velocity	Direction at time of maximum velocity	Days, with 32 miles or over				0.01 inch or over	0.04 inch or over	Trace or more	0.01 inch or more melted		Light	Moderate	Thick	Dense	32° or below	90° or above	95° or above	32° or below	0° or below			
January	<i>In.</i> 2.05	<i>In.</i> 0.73	<i>In.</i> 0.4	4.5	<i>Mi.</i> 9.1	n.	37	sw.	1	13	9	9	8	6	3	1	0	6	2	2	1	0	0	0	0	9	0	0	0
February	3.97	1.74	8.0	5.8	9.8	nw.	32	sw.	1	8	8	12	8	8	3	1	0	3	0	0	0	0	0	0	0	13	0	1	1
March	5.44	1.49	.0	5.2	11.8	sw.	41	s.	4	11	11	9	11	10	0	0	0	7	3	3	3	0	0	0	0	1	0	2	0
April	.87	.87	.0	3.2	9.6	sw.	30	s.	0	16	11	3	2	2	0	0	0	7	1	1	0	0	0	0	0	0	0	0	0
May	6.03	2.47	.0	4.5	9.3	se.	27	nw.	0	16	8	7	12	11	0	0	2	8	3	2	2	0	0	0	0	0	0	0	5
June	4.76	1.40	.0	4.9	8.1	sw.	30	n.	0	12	12	6	10	8	0	0	0	4	2	2	2	0	5	1	0	0	0	0	5
July	3.63	1.43	.0	4.7	7.9	sw.	30	nw.	0	11	16	4	12	9	0	0	0	2	1	0	0	0	15	7	0	0	0	0	14
August	10.02	2.49	.0	5.0	8.8	sw.	32	nw.	1	8	18	5	15	12	0	0	0	0	0	0	0	0	7	0	0	0	0	0	13
September	3.89	1.39	.0	4.4	7.9	sw.	28	s.	0	16	7	7	8	5	0	0	0	4	3	1	1	0	9	0	0	0	0	0	3
October	5.17	3.22	.0	4.0	8.2	n.	25	nw.	0	17	5	9	10	8	0	0	0	11	4	0	0	0	0	0	0	0	0	0	2
November	.93	.62	.0	3.1	8.6	ne.	24	nw.	0	20	6	4	3	3	0	0	0	9	1	1	0	0	0	0	0	0	0	0	0
December	2.99	.73	.6	5.5	9.9	n.	40	w.	1	10	9	12	13	12	1	1	0	18	4	2	2	0	0	0	9	0	0	0	2
Year	49.75	3.22	9.0	4.6	9.1	sw.	41	s.	8	158	120	87	113	94	7	3	2	79	24	14	11	0	36	8	32	0	47		

WINNEMUCCA, NEV.

[H=4,287 ft.; H_b=4,339 ft.; H_t=5 ft.; H_r=3 ft.; H_a=56 ft.]

January	1.36	0.40	7.4	7.0	5.5	ne.	19	n.	0	8	4	19	14	7	12	10	1	14	9	2	5	9	0	0	28	2	0	0
February	0.79	.36	1.9	6.9	7.1	sw.	26	sw.	0	5	8	15	13	6	14	8	1	0	0	0	0	0	0	0	24	0	0	0
March	.54	.25	1.4	6.2	7.9	ne.	30	nw.	0	8	7	16	4	3	9	3	0	0	0	0	0	0	0	0	26	0	0	0
April	1.08	.39	T	6.7	8.7	sw.	31	s.	0	5	9	16	10	7	8	4	1	1	0	0	0	0	0	0	14	0	1	0
May	1.82	.61	2.8	6.6	8.3	sw.	39	w.	1	3	15	13	12	7	5	3	4	0	0	0	0	0	0	0	9	0	2	0
June	.38	.28	.0	3.6	7.9	sw.	28	w.	0	15	10	5	4	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0
July	.06	.06	.0	1.5	7.6	sw.	26	sw.	0	27	4	0	1	1	0	0	0	0	0	0	0	0	24	16	0	0	2	0
August	T	T	.0	2.2	7.0	sw.	23	w.	0	22	6	3	0	0	0	0	0	0	0	0	0	0	23	14	0	0	0	0
September	.02	.02	.0	1.0	6.7	ne.	20	w.	0	26	7	1	1	2	0	0	0	0	0	0	0	0	5	0	0	0	0	0
October	.28	.16	T	2.8	6.6	ne.	22	sw.	0	20	7	4	3	2	1	0	0	0	0	0	0	0	0	0	16	0	1	0
November	1.93	.76	1.6	6.4	9.0	sw.	52	sw.	3	6	10	14	9	8	4	4	0	0	0	0	0	0	0	0	24	0	0	0
December	1.81	1.22	2.4	8.4	8.1	sw.	33	s.	1	2	6	23	10	6	9	5	0	6	6	3	2	4	0	0	24	0	0	0
Year	10.07	1.22	17.5	4.9	7.5	sw.	52	sw.	5	147	89	129	81	49	62	37	7	21	15	5	7	13	54	30	165	2	6	

YAKIMA, WASH.

[H=1,068 ft.; H_b=1,076 ft.; H_t=58 ft.; H_r=52 ft.; H_a=67 ft.]

January	1.43	0.38	5.6	8.1	3.4	s.	11	n.	0	4	3	24	8	6	9	6	0	15	8	6	6	21	0	0	29	0	0	0
February	1.25	.28	5.4	7.5	4.2	nw.	18	nw.	0	5	4	19	12	10	5	4	0	4	3	1	1	1	0	0	20	0	0	0
March	.02	.02	T	6.8	5.5	nw.	27	w.	0	3	13	15	1	0	1	0	0	0	0	0	0	0	0	0	18	0	0	0
April	.45	.27	.0	7.2	6.5	nw.	24	nw.	0	3	13	14	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	1.09	.67	.0	8.2	6.5	nw.	20	sw.	0	1	8	22	14	7	0	0	0	0	0	0	0	0	0	0	0	0	3	0
June	.37	.22	.0	5.3	7.5	nw.	21	w.	0	10	10	10	7	4	0	0	0	0	0	0	0	0	3	2	0	0	0	0
July	.08	.08	.0	3.5	6.8	nw.	25	sw.	0	21	5	5	1	1	0	0	0	0	0	0	0	0	16	10	0	0	0	0
August	.01	.01	.0	2.5	7.4	nw.	24	sw.	0	21	10	0	1	0	0	0	0	0	0	0	0	0	17	13	0	0	0	0
September	T	T	.0	4.1	5.6	nw.	21	nw.	0	14	13	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
October	.08	.05	.0	5.4	4.8	nw.	24	sw.	0	12	5	14	2	1	0	0	0	0	0	0	0	0	0	0	19	0	0	0
November	2.86	.67	8.4	8.7	4.3	w.	28	w.	0	2	4	24	15	11	11	8	0	13	6	6	3	0	0	0	31	0	0	0
December	2.01	.68	17.7	8.7	3.3	nw.	19	s.	0	2	5	24	13	8	13	11	0	21	13	13	10	4	0	0	31	0	0	0
Year	9.65	.68	37.1	6.3	5.5	nw.	28	w.	0	98	93	174	78	52	39	29	0	53	30	26	20	26	38	25	120	0	3	

YUMA, ARIZ.

[H=138 ft.; H_b=142 ft.; H_t=9 ft.; H_r=2 ft.; H_a=54 ft.]

January	0.19	0.16	0.0	3.5	6.5	n.	20	n.	0	16	9	6	2	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
February	.84	.60	.0	3.6	5.8	n.	24	n.	0	16	6	6	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	.17	.17	.0	1.9	7.1	w.	28	nw.	0	24	4	3	2	1	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0
April	T	T	.0	3.0	7.4	w.	25	w.	0	19	8	3	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0
May	.00	.00	.0	0.5	6.7	w.	25	w.	0	29	2	0	0	0	0	0	0	0	0	0	0	0	0	24	17	0	0	0	0
June	.00	.00	.0	0.6	5.4	sw.	17	w.	0	28	2	0	0	0	0	0	0	0	0	0	0	0	0	30	29	0	0	0	0
July	.08	.08	.0	0.8	5.9	sw.	17	se.	0	29	2	0	1	1	0	0	0	0	0	0	0	0	0	31	31	0	0	0	0
August	1.08	1.06	.0	1.4	5.6	s.	24	n.	0	26	4	1	2	1	0	0	0	0	0	0	0	0	0	30	29	0	0	0	0
September	.00	.00	.0	0.1	4.4	w.	16	n.	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30	29	0	0	0	0
October	.04	.04	.0	1.5	5.1	n.	28	w.	0	25	4	2	1	1	0	0	0	0	0	0	0	0	0	20	11	0	0	1	0
November	.00	.00	.0	1.1	5.6	n.	23	w.	0	25	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	.01	.01	.0	1.3	5.6	n.	31	w.	0	23	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Year	2.41	1.06	.0	1.6	5.9	n.	31	w.	0	290	52	23	11	7	0	0	0	0	0	0	0	0	0	172	147	1	0	4	

[Shaded portions show excess (+) and unshaded portions deficiency (-) of temperature. Figures show mean daily excess (+) or deficiency (-) of temperature over areas bounded by light lines]



CHART 2.—Precipitation, Inches, for the Crop Season of 1942, March 1 to September 30

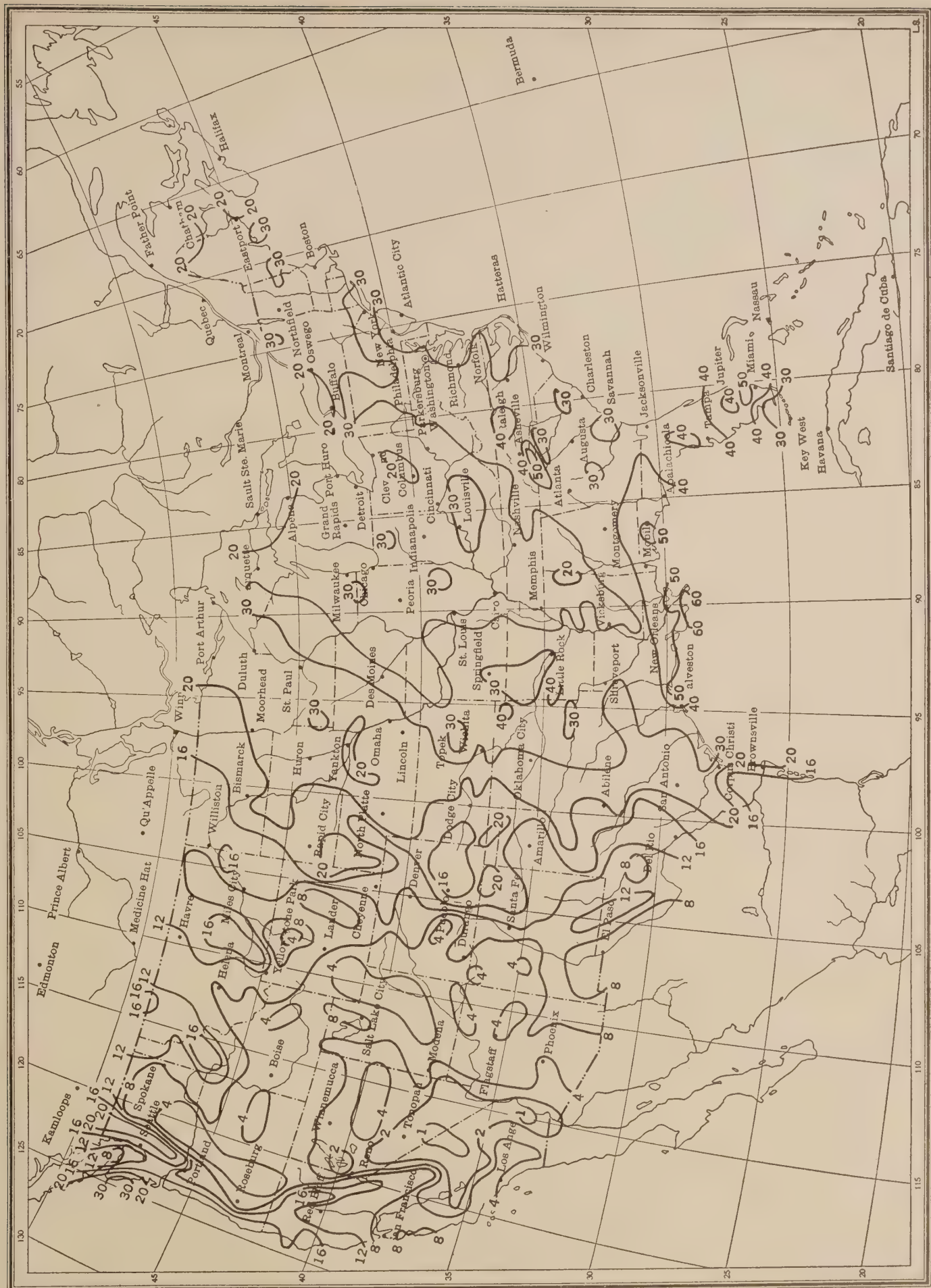


CHART 3.—Departure From Normal Precipitation for the Crop Season of 1942, March 1 to September 30

Shaded portions show excess (+) and unshaded portions deficiency (−) of precipitation. Figures show, in inches, amount of excess or deficiency over areas bounded by light lines]



CHART 4.—Total Precipitation, Inches, for the Year 1942

